NOVA SCOTIA AGRICULTURAL COLLEGE

REPORT OF THE PRINCIPAL

1986-1987

TRURO, N.S.

92-00591/

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NOVA SCOTIA AGRICULTURAL COLLEGE

OVERVIEW

The new Animal Science Building was completed and occupied in December, 1986. It provides excellent modern facilities for teaching and research.

During the year, planning for several capital projects began under the direction of A. D. Ells with the assistance of planning groups. Plans to renovate the Boulden Building into a small laboratory animal facility have been essentially completed and are now further developed by the architects. In addition, planning groups are working on a farmstead development, residence renovations, a chemical storage building and a new building for the fur unit on the College farm.

A Task Force was established to study the feasibility of offering a Health of Animal Technology Course. A curriculum was developed and advice was sought from a group of advisors named by the Veterinary Medical Association. The facilities for such a program will be completely adequate with the new Animal Science Building in place and upon completion of the renovations to the Boulden Building. The results of the Task Force study are very positive and it is anticipated that the program will be implemented.

During the past year, an International Development Centre was established and a house on College Road was purchased as headquarters for the centre. A Board was named to administer the centre chaired by Prof. J. C. Tait with A. D. Ells as Director.

REGISTRATION

1986-1987

1st Year B.Sc.(Agr.)	103	
2nd Year B.Sc.(Agr.)	98	
3rd Year B.Sc.(Agr.)	73	
4th Year B.Sc.(Agr.)	48	
Sub-Total B.Sc.(Agr.)		322
1st Year Engineering	6	
2nd Year Engineering	7	
3rd Year Engineering	6	
4th Year Engineering	3	
Sub-Total Engineering		22
1st Year Technicians	75	
2nd Year Technicians	54	
Sub-Total Technicians		129
1st Year Technology	29	
2nd Year Technology	31	
Sub-Total Technology		60
Special Students*		26
Total Full Time Students		559

*Students not in a regular program leading to a degree or diploma.

FACULTY OF INSTRUCTION

COLLEGE YEAR 1986-87

Principal

H. F. MacRae, B.Sc.(Agr.) McGill, M.Sc. (McGill), Ph.D. (McGill)

Principal Emeritus

Kenneth Cox, B.S.A. (Toronto), M.S.A. (McGill), L.L.D. (McGill)

Vice-Principal

I. M. Fraser, B.Sc. (Dalhousie), M.A. (Maine)

Dean, Vocational and Technical Education

A.D. Ells, B.Sc.(Agr.) (McGill), M.A. (Acadia)

Registrar

V. L. Saxon, B.Sc.(Dalhousie), M.B.A.(Dalhousie), B.Ed.(Acadia), B.Eng. (Nova Scotia Technical College)

Librarian

B.S. Sodhi, B.A. (Punjab), M.A. (Punjab), Dip. L. Sc. (Punjab)

Dean of Students - Chaplain

Rev. D.I. MacEachern, B.A. (Mt. Allison), M.Div. (Pine Hill)

Deans of Residence

J. M. Smith, B.P. Ed. (Dalhousie)
K. Greenwood
B. S. MacLeod

Director of Athletics

K. S. Marchant, B.P. Ed. (New Brunswick), M.S. (Springfield)

Placement Officer
B. M. Crouse, B.Sc.(Agr.)(Guelph)

Agricultural Engineering

James Adams, B.Sc. (Strathclyde), M.Sc. (Reading) - Associate Professor
J. F. Adsett, B.Sc.(Agr.)(McGill), M.Sc.E.(U.N.B.) - Assistant Professor
D.A. Allen, B.Sc. (Eng.) (Guelph), M.Sc. (Agr. Eng.) (Purdue) Associate Professor
J.D. Cunningham, B.S.A. (Toronto), B.E. (Nova Scotia Technical College), M.A.Sc. (Technical University of Nova Scotia) - Associate Professor
F.L. Desir, B.Sc. (Agr. Eng.) (McGill), M.Sc. (McGill) - Assistant Professor
P.L. Havard, B.Sc. (Agr. Eng.) (McGill), M.Sc. (McGill) - Associate Professor
S.A. Madani, B.Sc. (Bahlavi), M.Sc. (British Columbia), Ph.D. (Washington) - Assistant Professor
M.N. Rifai, M.Sc. (Nitra), Ph.D (Nitra) - Assistant Professor

Animal Science

L.M. Cock, B.Sc. (Agr.) (McGill), M.S. (Wisconsin), Ph.D (Maine) - Professor and Head
P.Y. Hamilton, B.Sc. (Agr.) (McGill), M.Sc. (Maine) - Professor Emeritus
D.M. Anderson, B.S.A. (Manitoba), M.Sc. (Manitoba), Ph.D (Saskatchewan) - Associate Professor
M.L. Connor, B.Sc. (Agr.) (Guelph), M.Sc. (Manitoba), Ph.D (Manitoba) - Assistant Professor
D.C. Crober, B.Sc. (Agr.) (McGill), M.Sc. (McGill), Ph.D (British Columbia) - Professor
N. L. Firth, B.Sc. (Edinburgh), M.S. (Purdue), Ph.D. (Cornell) - Assistant Professor
A.H. Fredeen, B.S.A. (Saskatchewan), M.Sc. (Guelph), Ph.D (California) - Assistant Professor
A. Lirette, B.Sc.,S.(Medicine)(Laval), B.Sc.A.(Laval), M.Sc.(Laval), Ph.D. (Alberta) - Assistant Professor
W.G. Mathewson, B.Sc. (Agr.) (Aberdeen), D.T.A. (Trinidad), M.Sc. (Aberdeen) - Associate Professor
D.L. Patterson, B.Sc. (Alberta), M.Sc. (Guelph), Ph.D (Guelph) - Assistant Professor
T. Tennessen, B.A. (Alberta), B.Sc. (Alberta), M.Sc. (Alberta), Ph.D (Alberta) - Assistant Professor

Biology

L.A. McFadden, B.Sc. (Agr.) (McGill), M.Sc. (Cornell), Ph.D. (Cornell) - Professor and Head
A.E. Roland, B.A. (Acadia), M.A. (Toronto), Ph.D(Wisconsin),D.Sc.(Acadia), D.Sc.(Dalhousie), F.A.I.C. - Professor Emeritus
M.E. Neary, B.Sc. (Agr.) (McGill) - Professor Emeritus
L.E. Crosby, B.Sc. (Acadia), M.Sc. (Acadia) - Associate Professor
L.J. Eaton, B.Sc. (Acadia), M.Sc. (Dalhousie) - Associate Professor
A.B. Gray, B.Sc. (Bishops), M.Sc. (McGill), Ph.D.(McGill) - Assistant Professor

J.-P.R. Le Blanc, B.A. (Montreal), B.Sc. (Quebec), Ph.D (McGill)- Associate Professor
A.R.Olson, B.A. (Augustana), M.Sc. (Wisconsin), Ph.D (Alberta) - Associate Professor
M.G. Sampson, B.Sc. (Dalhousie), B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Assistant Professor
G.W. Stratton, B.Sc. (Agr.) (Guelph), M.Sc. (Guelph), Ph.D (Guelph) - Associate Professor

Chemistry-Soils

H.M. MacConnell, B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Associate Professor and Head
G. R. Brewster, B.A.(Western Ont.), M.Sc.(Western Ont.), Ph.D.(Western Ont.) - Associate Professor
W.M. Langille, B.Sc. (Acadia), M.Sc. (McGill) - Professor Emeritus
J.E. Hawley, B.Sc. (Agr.) (McGill) - Assistant Professor
K.S. MacLean, B.Sc. (Dalhousie), M.Sc. (McGill) - Associate Professor
H.F. MacRae, B.Sc. (Agr.) (McGill), Ph.D (McGill) - Principal & Professor
J.C. Miller, B.Sc. (Agr.) (Guelph), M.Sc. (Alberta) - Assistant Professor
A.S. Payne, B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Associate Professor
A.R. Robinson, B.Sc. (Agr.) (McGill), M.Sc. (McGill), Ph.D (McGill) - Professor
P.R. Warman, B.Sc. (Agr.) (Rutgers), M.Sc. (Guelph), Ph.D (Guelph) - Associate Professor

Economics and Business Management

J.C. Tait, B.Sc. (Agr.) (McGill), M.Sc. (New Hampshire) - Associate Professor and Head
D.E. Arnfast, B.B.A. (St. Francis Xavier) - Assistant Professor
A.D. Ells, B.Sc. (Agr.) (McGill), M.A. (Acadia) - Associate Professor
J.J. Brennan, B.Sc. (Agr.) (McGill), M.Sc. (Alberta) - Assistant Professor
K.G. Grant, B.A. (Acadia), M.A. (Western Ontario), Ph.D (Western Ontario) - Assistant Professor
P. Lederman, B.A.(Queens), M.A.(Dalhousie), LL.B.(Queens), BCL(Oxford) - Sessional Lecturer
S.J.B. Stackhouse, B.Sc. (Agr.Ec.) (Guelph), M.Sc. (Guelph) - Associate Professor

Humanities

P. M. Sanger, B.A. (Melbourne), B.Ed. (Acadia), M.A. (Victoria) - Associate Professor and Head
Parker Cox, B.A. (Acadia), M.A. (Toronto) - Professor Emeritus
J. F. Cipolla, B.A.(Acadia), M.A.(Acadia), B.Ed.(Acadia), Ph.D.(Alberta) - Sessional Lecturer from the N. S. Teachers College
Rev. D.I. MacEachern, B.A. (Mt. Allison), M.Div. (Pine Hill) - Associate Professor

K. S. Marchant, B.P.Ed. (New Brunswick), M.S. (Springfield) - Associate Professor
L.L. Sanderson, B.Sc.(Agr.)(Guelph), M.Sc. (Guelph) - Assistant Professor
J.M. Smith, B.P.Ed. (Dalhousie) - Assistant Professor

Mathematics and Physics

S.G. Smith, B.Sc. (Mt. Allison), M.Sc. (Windsor) - Associate Professor and Head
D.G. Bishop, B.Eng. (Agr.) (Technical University of Nova Scotia), M.Eng. (Agr.) (Technical University of Nova Scotia) - Assistant Professor
I. M. Fraser, B.Sc.(Dalhousie), M.A.(Maine) - Associate Professor and Vice-Principal
C. T. Madigan, B.Sc.(Windsor), M.Sc.(Windsor) - Associate Professor

Plant Science

R. K. Prange, B.Sc.(Aacdia), M.Sc.(British Columbia), Ph.D.(McGill) - Professor and Head
J.E. Shuh, B.S.A. (Toronto), M.Sc. (McGill) - Professor Emeritus
J.S. Bubar, B.Sc.(Agr.) (McGill), M.S. (Pennsylvania State), Ph.D. (McGill) - Professor
C.D. Caldwell, B.Sc. (Mt. Allison), M.Sc. (Dalhousie), Ph.D (East Anglia) - Associate Professor
R.W. Daniels, B.Sc. (Agr.) (McGill), M.S. (Michigan State) - Associate Professor
J. Fraser, B.Sc. (London), M.Sc. (Aberdeen), Ph.D (Canterbury) - Assistant Professor
T.H. Haliburton, B.Sc. (Agr.) (McGill), M.S. (Cornell) - Associate Professor
W.J. Higgins, B.Sc. (Mt. Allison), M.S. in Ed. (Niagara) - Associate Professor
H.-Y. Ju, B.Sc. (Agronomy) (Seoul), M.Sc. (McGill), Ph.D (McGill) - Associate Professor
L. R. Mapplebeck, B.Sc.(Guelph), M.Sc.(Guelph) - Lecturer
J. Nowak, M.Sc. (Olsztyn), Ph.D (Olsztyn), Ph.D. Habil (Olsztyn) - Associate Professor
K. Padmanathan, B.Sc. (Madras), B.Sc. (Agr.) (Columbia), M.Sc. (Pennsylvania State), Ph.D.(Pennsylvania State) - Professor
R. G. Robertson, B.Sc.(For.)(Aberdeen) - Sessional Lecturer from N. S. Dept. of Lands and Forests

COURSES OFFERED

DEGREE

A complete four-year course leading to a degree in Agricultural Sciences (B.Sc.(Agr.)) is offered with a choice of the following options:

Agricultural Chemistry
Agricultural Economics
Agricultural Mechanization
Agricultural Soils
Animal Science
Plant Protection
Plant Science

Students can take other options without interruption by transferring to the third year of the B.Sc.(Agr.) program at Macdonald College of McGill University, the University of Guelph, the University of Maine or Faculty of Agriculture at another university.

Engineering students who successfully complete the three years of the Agricultural Engineering degree course can proceed to Macdonald College of McGill University or the University of Guelph or can apply to the Technical University of Nova Scotia or to another engineering faculty to complete their program of study.

Students who wish to take the three year Pre-Veterinary program to meet admission requirements of the Atlantic Veterinary College at the University of Prince Edward Island must, after completing the first year, enter the Animal Science option and take a specific selection of subjects. The Pre-Vet program also serves as the first three years of the B.Sc.(Agr.) program, Animal Science option. For other options it may take more than one year to complete the B.Sc.(Agr.) program.

TECHNICIAN

The following two-year programs of study are offered:

Agricultural Business
Agricultural Mechanization
Animal Science
Farm Equipment
Plant Science

TECHNOLOGY

The following two-year programs of study are offered:

Biology Laboratory Technology
Chemistry Laboratory Technology
Landscape Horticulture Technology

The following two-year programs are offered only to students who have successfully completed one year of a specified Technician Course (or equivalent):

Agricultural Engineering Technology
Farming Technology

Students in the Farming Technology Course spend eleven months (including summers) of their course work on farms. Seven of those months consist of structured training under a farmer/instructor.

Agricultural Technology is a one-year program, tailored to meet the needs of the student. Only Technician graduates are eligible to apply for this course.

SUMMARY OF VOCATIONAL AND CONTINUING EDUCATION PROGRAMS
April 1, 1986 - March 31, 1987

Vocational courses have been designed to assist men and women enter or progress in farm or farm related careers. Forty-seven courses were held with 585 persons enrolled, totalling 9,832 student training days.

The Canada Employment and Immigration Commission sponsored 232 persons by paying their tuition and on courses over 10 days duration a training allowance. Details on enrolled can be seen in the following tables:

PROVINCE	NUMBER OF STUDENTS			% OF TOTAL STUDENTS		
	1984-85	1985-86	1986-87	1984-85	1985-86	1986-87
Nova Scotia	709	470	436	78.3	78.2	74.5
New Brunswick	82	68	72	9.1	11.3	12.3
Prince Edward Is.	36	20	46	4.0	3.3	7.8
Newfoundland	18	19	24	2.0	3.1	4.1
Other residents	60	24	7	6.6	3.9	1.1
Total # Enrolled	905	601	585			
Total # Graduated		854	554	439		
Total # Sponsored by C.E.C.		440	300	232		
Total Student Training Days		14,285	10,618	9,832		

In conducting these courses, college staff was supplemented by organizational and lecture assistance from many sources, with the Nova Scotia Department of Agriculture and Marketing being the major contributor. Guest instructors for many topics are recruited from various federal research stations, other federal and provincial government services, business firms and private entrepreneurs.

The following courses were offered from April 1, 1986 to March 31, 1987:

VOCATIONAL COURSES:

Horse Care Program
Farm Skill Course
Fox Production
Plant Production
Artificial Insemination
Bedding Plant Production
Mink Production
Presenting Effective Presentations
An Introduction to Microcomputers
Milking Parlour Attendant
Poultry & Fur Farm Worker
Grape Production
Integrated Weed Control & Pest Management
Meat Cutting Course
Farrier Course
Cole Crop Production
Draft Horse Shoeing Course
Dairy Herd Operation Course
Level I Coaching
Poultry Production
Turf Management Course
Floral Design Course
Basic Farm Welding
Swine Herd Operation
Basic Sheep Husbandry

CONTINUING EDUCATION COURSES:

Basic Flower Arranging for the Home
Berry and Tree Fruit Production
Introductory Beekeeping
Landscape Maintenance Course
Residential Landscape Maintenance Course
Pet Health

HOME STUDY COURSES:

Chain Saw Course
Soil Management for Crop Production

AUTUMN ASSEMBLY

OCTOBER 8, 1986

Autumn Assembly, which is held annually to present awards and scholarships to students, took place on October 8, 1986. P. Y. Hamilton was the guest speaker and was named Professor Emeritus.

GENERAL SCHOLARSHIPS

The A. C. Neish Memorial Trust Scholarship, $1200
Beverly Connell, R. R. # 3, Lawrencetown, N. S.

The Nova Scotia Agricultural College Alumni Assoc., $1000
Janice Gautreau, Rothesay, N. B.
Gerard Richard, R. R. # 2, Miscouche, P. E. I.

The Atlantic Fertilizer Institute Scholarship, $1000
Steven Watts, R. R. # 3, Cornwall, P. E. I.

Canada Packers Scholarship, $1000
Marianne Ward, R. R. # 1, Granville Ferry, N. S.

The Nova Scotia Institute of Agrologists, $1000
Jean Baillie, R. R. # 2, River John, N. S.

Co-op Atlantic Scholarship, $1000
April Ingraham, Milford Station, N. S.

Hank DeBoer Memorial Scholarship, $1000
Mary Whittaker, 26 Meadowbrook Dr., Bedford, N. S.

N. S. Milk Producers Scholarship, $1000
Eric Jackson, R. R. # 2, Upper Stewiacke, N. S.

Newfoundland Egg Marketing Board Scholarship, $1000
Robert Jones, Carbonear, Newfoundland

F. W. Walsh Memorial Scholarship, $800
Jennifer Van der Kooi, R. R. # 1, Elmsdale, N. S.

The Atlantic Fertilizer Institute Scholarship, $500
Darren Allison, Curry's Corner, Windsor, N. S.

The Ernest L. Eaton Memorial Scholarships, $500
David Colborne, 238 College Rd., Truro, N. S.
C. Dawn Miller, 713 Cleveland Ave., Riverview, N. B.

The Benny Duivenvoorden Memorial Scholarship, $500
Jannes Wesselius, R. R. # 1, River Glade, N. B.

Women's Institute Scholarship, $500
M. Conny Bishop, 121 Pictou Road, Truro, N. S.

Col. Charles H. Coll Memorial Scholarship, $500
M. Christina Lecky, R. R. # 2, Summerside, P. E. I.

New Brunswick Poultry Council Scholarship, $450
Jane Duivenvoorden, Jacquet River, N. B.

The Canadian Feed Industry Assoc. (Atlantic Division) Scholarship, $400
April Ingraham, Milford Station, N. S.

The Vice-Principal's Scholarship, $400
Christopher Uy, Sudbury, Ontario

N. S. Federation of Agriculture Scholarships, $300
Jill Hume, Chester, N. S.
Michele White, 297 College Rd., Truro, N. S.

Ira L. Rhodenizer Memorial Scholarship, $300
Stephanie Peppard, R. R. # 1, Great Village, N. S.

The Donald E. Clark Memorial Scholarship, $300
Beverly Connell, R. R. # 3, Lawrencetown, N. S.
Kent Curtis, 404 Gibson Street, Fredericton, N. B.

Raymond Webber Memorial Scholarship, $300
Wendy Whiting, 95 Bon Accord Drive, Saint John, N. B.

Atlantic Provinces Hatchery Federation Scholarship, $300
Joanne Rafuse, R. R. # 3, New Germany, N. S.

A. B. Banks Memorial Scholarship, $250
D. Allan Porter, R. R. # 1, Belmont, N. S.

Atlantic Provinces Hatchery Federation Scholarship, $200
Randall Affleck, Lower Bedeque, P. E. I.

Cobequid Dog Club, $200
R. Michael Steen, 17 Orkney Drive, Dartmouth, N. S.

The A. W. Mackenzie Memorial Scholarship, $150
Stephanie Peppard, R. R. # 1, Great Village, N. S.

Wilfred Cyr Memorial Scholarship, $100
Terrance Prescott, R. R. # 1, Moncton, N. B.

The Dorothy Creelman Cox Scholarship
Jennifer Gilmore, 7 Skeena Street, Dartmouth, N. S.

The Dr. Kenneth Cox Scholarship
Brian MacCulloch, R. R. # 2, New Glasgow, N. S.

PROVINCIAL SCHOLARSHIPS

NOVA SCOTIA

$1500
Kimberley Babineau, Parrsboro
Sandra Baigent, 11 Swordfish Dr., Shearwater
Jean Baillie, R. R. # 2, River John
Jane Brooks, R. R. # 6, Kingston
Jill Hume, Chester

$1000
Ira Andrews, Guysborough
Kevin Bray, 8 Alexander St., Glace Bay
Stanley Burns, 3 Drew St., Glace Bay
Gillian Calder, 807 Prince St., Truro
David Colborne, 238 College Rd., Truro
Sherri Coldwell, Westville
James Eaton, R. R. # 1, Great Village
Eric Jackson, R. R. # 2, Upper Stewiacke
Laura Lambie, 6049 Cherry St., Halifax
Sarah Macdonald, 132 Main St., Truro
J. Donovan MacLennan, R. R. # 2, Mabou
Patricia MacNeil, R. R. # 6, Truro
Duncan McCurdy, R. R. # 1, Truro
Colin Palmer, R. R. # 1, Aylesford
Lori Schofield, Mount Uniacke
Anne Toole, 17 Brookside Road, Truro
Jennifer Van der Kooi, R. R. # 1, Elmsdale
Stavroula Vihos, 133 South St., Glace Bay
Mark Wallace, 46 Prince St., Yarmouth

$500
Kathleen Collins, R. R. # 1, Truro
Beverly Connell, R. R. # 3, Lawrencetown
Janice Foster, R. R. # 3, Middleton
Abra Haliburton, 34 Ryland Ave., Truro
Brian MacCulloch, R. R. # 2, New Glasgow
William MacLeod, 69 Lake Road, Glace Bay
Michael Main, R. R. # 1, Maitland
Jamie McLelland, North Grand Pre
Catherine Palmer, R. R. # 2, Trenton
Stephanie Peppard, R. R. # 1, Great Village
D. Allan Porter, R. R. # 1, Belmont
Ann Savard, 47 Nappan Dr., Lower Sackville

Colleen Simms, 5223 Artz St., Halifax
Helene Van Doninck, 631 George St., New Waterford
Richard Van Ingen, R. R. # 1, Enfield
Marianne Ward, R. R. # 1, Granville Ferry

$200 Deanna Brewster, 115 Ocean Ave., Dominion
Colin Fraser, R. R. # 1, Saltsprings
Helen Fraser, R. R. # 1, Antigonish
John Henry, 35 Blaindale Dr., Truro
Robert Kinley, 19 Dewhurst Dr., Dartmouth
Catherine MacKenzie, R. R. # 1, Saltsprings
Kenneth Rockey, R. R. # 3, Merigomish
S. Elizabeth Sheppard, R. R. # 1, Gabarus
Jo-Anne Tully, R. R. # 1, Milford Station
Ronald White, R. R. # 1, Lawrencetown
Mary Whittaker, 26 Meadowbrook Dr., Bedford
Sherry Withers, 23 Robertson Cres., Truro

NEWFOUNDLAND

$700 Rhonda Rumbolt, R. R. # 2, Deer Lake
Susanne Tilley, 74 Central St., Corner Brook
Daryl Whelan, Kelligrews

PRINCE EDWARD ISLAND

$700 John Bowness, R. R. # 2, Alberton
Tammy Hill, Miscouche
Douglas MacDonald, Victoria
Janice Verhulp, R. R. # 3, Bonshaw
Steven Watts, R. R. # 3, Cornwall

$600 Deborah Douglas, R. R. # 1, Tyne Valley
Stephen Howatt, Kinkora
Peter Lawson, 111 Maple Ave., Sherwood
Alexander Rogers, R. R. # 1, Coleman

BURSARIES

Farm Credit Corporation Bursary, $1000
Alexander Rogers, R. R. # 1, Coleman, P. E. I.

Beaver Foods Limited Bursaries, $500
Sophie Bernard, 10 Downsview Ave., Moncton, N. B.
Robert Kinley, 19 Dewhurst Dr., Dartmouth, N. S.

David W. Brown Bursary, $500
Jane Brooks, R. R. # 6, Kingston, N. S.
Colin Palmer, R. R. # 1, Aylesford, N. S.

Co-op Atlantic, $500
Wendy Larsen, Belfast, P. E. I.
Sherryl Payson, R. R. # 1, Bear River, N. S.
Joan MacLaurin, R. R. # 1, Miscouche, P. E. I.

Farm Focus Bursary, $200
John Henry, 35 Blaindale Dr., Truro, N. S.

Dr. Robert G. Rix Family Farm Bursary, $200
John Dykstra, R. R. # 2, Pictou, N. S.

The Edith Main Memorial Bursary, $100
Kimberly Barkhouse, Hubbards, N. S.

PRIZES

N. S. Veterinary Medical Association Prize, $200
John Dykstra, R. R. # 2, Pictou, N. S.

G. G. Smeltzer Award, $100
Heath Glover, Bedeque, P. E. I.

The Roy H. Stevenson Prize in Mathematics & Physics, $100
Jill Hume, Chester, N. S.

The Lorne C. Callbeck Prize, $50
C. Dawn Miller, 713 Cleveland Ave., Riverview, N. B.

The H. J. Fraser Memorial Prize in English
Jane Brooks, R. R. # 6, Kingston, N. S.

ATHLETICS IN REVIEW

The Nova Scotia Agricultural College Rams retained their membership in both the Nova Scotia College Conference and the Canadian Colleges Athletic Association. The following teams participated in Conference play:

Soccer	-	men
Volleyball	-	men
Hockey	-	men
Badminton	-	men and women
X-Country Run	-	men and women
Basketball	-	men and women

The Woodsmen teams (1 women's team, 2 men's teams) participated in five competitions during the year:

University of New Brunswick - 3 teams
Team A (M) 4th; Team B (M) 3rd; Team C (W) 4th

Unity College, Waterville, Maine - 3 teams
Team A (M) 8th; Team B (M) 9th; Team C (W) 2nd

Macdonald College - 3 teams
Team A (M) 3rd; Team B (M) 8th; Team C (W) 3rd

Sir Sandford Flemming College - 1 team
Team A (M) 1st

Nova Scotia Agricultural College - 3 teams
Team A (M) 1st; Team B (M) 3rd; Team C (W) 1st

The Woodsmen teams continue to be very competitive in all tournaments and are consistently placing a team in the top five.

Award winners:	MVP (male) -	David Weatherhead
	MVP (female) -	Lise LeBlanc
	Rookie (male) -	Peter Lawson
	Rookie (female) -	Stephanie Gow

MEN'S SOCCER

Again, the 1986 men's soccer team had another satisfying season. The Rams finished fourth in the very strong, competitive league. The blue and gold squad had 4 wins, 4 losses and 2 ties. Rookie Jannes Wesselius was the leading scorer for the Rams with 10 goals.

Again this year the A.C. eleven won the U.C.C.B. Invitational Tournament with a win over Kings. A.C. advanced to the final by defeating the Capers and the Coast Guard College in regular league games.

In post-season play, the Rams drew the Engineers from T.U.N.S. in the first round. Although the A.C. squad drew first blood, the multi-talented Halifax squad showed their strength and depth and rebounded to defeat the blue and gold squad 6 - 1. T.U.N.S. went on to beat Kings 4 - 0 in the final. Paul Gamba, a second-year player, was selected to the All-Conference Team.

Co-coaches, Marchant and MacRae, are looking forward to the 1987 season as all players are expected back.

The following awards were presented at the Athletic Awards Banquet:

Most Valuable Player -	Paul Gamba
Rookie of the Year -	Jannes Wesselius
Most Improved Player -	Jeff Walker
All-Conference -	Paul Gamba

MEN'S VOLLEYBALL

This year's edition of the Rams volleyball team was a combination of returnees and rookies. Although they played well and challenged every team, they finished in last place and out of the play-offs. In league tournament play the team finished last.

The highlight of the season was the selection of first-year player Shawn Taylor to the All-Conference Team.

Other award winners for the year were:

Most Valuable Player -	Walter Termeer
Most Improved Player -	Shawn Smale
Rookie of the Year -	Shawn Taylor
All-Conference -	Shawn Taylor

MEN'S HOCKEY

Once again, the N.S.A.C. Rams hockey squad participated in both the Nova Scotia College Conference league with T.U.N.S. and Kings, and in the local Cobequid District Hockey league. In the College league, which was a double home and home schedule, with the two Halifax universities, T.U.N.S. proved to be the strongest team going 8 - 0, while A.C. finished second at 4 - 4, and with Kings failing to win a game. Brian MacDonald, the team captain, was selected to the All-Conference Team. Brian was later the recipient of the Male Athlete of the Year Award.

MEN'S BASKETBALL

The men's basketball team returned to the hardwood following a year's leave of absence. Although the win-loss columns of 3 - 17 in league play was not all that impressive, the attitude and desire of the team were tremendous.

Foul trouble and mental lapses were the differences in the majority of the games. The addition of Brian "BJ" Ross to the line-up in the second half of the schedule certainly added experience and depth to the team. Unfortunately, ankle problems limited his full contribution to the team. Three pointers by BJ and rookie Mark Wallace were a definite threat throughout the league.

The Rams are looking forward to the 1987 - 88 season as we, once again, host the Canadian Colleges Athletic Association National Championships, March 22 - 27, 1988.

Award winners recognized at the Athletic Banquet:

Most Valuable Player -	Brian Ross
Most Improved Player -	Don Langille
Rookie of the Year -	Mark Wallace
All-Conference -	Brian Ross

WOMEN'S BASKETBALL

The blue and gold rookie-laden squad had a tough season this year going through N.S.C.C. league play without a win. Exhibition play was a little brighter with the team capturing consolation honors at their own Invitational Tourney and sporting a win-loss record of 4 - 5 overall.

Graduating from the Rams are Kim Smith, Susan Sullivan and Kathy Collins. Kim and Kathy were also co-captains for the '86-87 season.

Assisting the Rams in the role as co-coach was Donna Noble, a former player who had used all years of playing eligibility, but had 1½ years of academic work remaining. Donna was a welcome addition in the area of individual skill development and team strategy.

Award winners for the Rams were:

Most Valuable Player -	Kim Smith
Most Improved Player -	Carmen Lake
Rookie of the Year -	Crystal Richards

CROSS-COUNTRY RUNNING

Students "took to the road" in the fall of 1986 with eight students competing for the College at N.S.C.C. Cross-Country meets. In the three meets, A.C. finished as follows:

Women	-	2nd in all meets
Men	-	3rd in all meets

Individual performances recorded included:

			N.S.C.C. CHAMPIONSHIP	
Women:	Kim Redden	4th, 2nd	2nd	28:03
	Heather Stevens	---, 4th	4th	28:43
	Sandra Baigent	6th, ---	7th	29:41
	Sarah Nettleton	7th, ---	11th	33:08
Men:	Hubert Duivenvoorden	6th, 4th	4th	21:59
	Arden Gardiner	2nd, 2nd	7th	23:58
	Mike Bouma	---, 8th	15th	27:58
	Ronald MacFarlane	12th, 11th	17th	28:37

As teams, the women finished second in the Conference, while the men finished third.

PRINCIPAL'S LIST

On Tuesday, March 10, Dr. H. F. MacRae entertained 58 students of the Nova Scotia Agricultural College at a dinner given in their honour at the Riverview Room. The Principal's List honours those students who have achieved academic excellence at the College.

The guest speaker was Ms. Margaret Swan, Principal, Nova Scotia Teachers College.

Each student was presented with a plague in recognition of his/her achievement.

NEW BRUNSWICK

Kimberly Allen, R. R. # 1, Mouth of Keswick
Andrew Ashworth, R. R. # 2, Plaster Rock
Sophie Bernard, 10 Downsview Ave., Moncton
Suzanne Bulman, 10 Shibu Court, Fredericton
Kent Curtis, 404 Gibson Street, Fredericton
Angela Grasse, R. R. # 3, Oromocto
C. Dawn Miller, 713 Cleveland Avenue, Riverview
Christine Murray, R. R. # 3, Oromocto
Kris Nicholls, 109 Gorham Drive, Fredericton
Sally Steeves, 116 Elm Street, Woodstock
Michele White, 6 Barbara Court, Rothesay

NEWFOUNDLAND

Rhonda Rumbolt, Box 4, Site 14, R. R. # 2, Deer Lake

NOVA SCOTIA

Darren Allison, Curry's Corner, Windsor
M. Connie Bishop, 121 Pictou Road, Truro
Jane Brooks, R. R. # 6, Kingston
Gillian Calder, 807 Prince Street, Truro
Sherri Coldwell, Box 310, Westville
David Colborne, 23B College Road, Truro
Yvonne Comeau, R. R. # 7, Bridgewater
Bev Connell, R. R. # 3, Lawrencetown
Christopher Eyking, R. R. # 1, Bras d'Or
Colin Fraser, R. R. # 1, Saltsprings
Helen Fraser, R. R. # 1, Antigonish
Barbara Gilroy, 6993 Churchill Drive, Halifax
Katherine Grant, Box 65, Thorburn
Anthony Hall, Box 885, New Glasgow
John Henry, 35 Blaindale Drive, Truro
Richard Higgins, R. R. # 2, Middle Musquodoboit
Jill Hume, Box 277, Chester
Linda Jack, 121 Arthur Street, Truro
Eric Jackson, R. R. # 2, Upper Stewiacke
Robert Kinley, 19 Dewhurst Drive, Dartmouth
Sarah Macdonald, 132 Main Street, Truro
Gwen MacLean, R. R. # 2, Pictou
J. William MacLeod, 69 Lake Road, Glace Bay
Patricia MacNeil, R. R. # 6, Truro
Michael Main, R. R. # 1, Maitland
Duncan McCurdy, R. R. # 1, Truro
Bryce McInnis, 157A Brunswick Street, Truro
Richard Melvin, Box 43, New Ross
Catherine Palmer, R. R. # 2, Trenton
Sherry Payson, R. R. # 1, Bear River
Kenneth Rockey, R. R. # 3, Merigomish
S. Elizabeth Sheppard, R. R. # 1, Gabarus
JoAnn Van Kessel, R. R. # 1, New Glasgow
Ronald White, R. R. # 1, Lawrencetown
A. Michelle Willis, 9 Robertson Street, New Glasgow
Sherry Withers, 23 Robertson Crescent, Truro

PRINCE EDWARD ISLAND

Darlene Arsenault, R. R. # 2, Wellington
Deborah Douglas, R. R. # 1, Tyne Valley
Edward MacAulay, R. R. # 3, Souris
Cynthia Rodd, Box 908, Cornwall
Janice Verhulp, R. R. # 3, Bonshaw

OTHER

Mary Jansen, R. R. # 4, Osgoode, Ontario

Lawrence Mose, NARS, Box 450, Kitale, Kenya
Andrew Stairs, 351 Moore Road, Hemmingford, Quebec
Bethany Uttaro, 152 Ivanhoe Crescent, Pointe Claire, Quebec

CONVOCATION

The Convocation Exercises were held on Wednesday, May 6, 1987 at the Athletic Centre. The winners of the Governor-General's Medals were Sarah Macdonald, Degree Student and Michele White, Technical Student. Other awards were presented to Kimberley Smith and Randall Affleck, Atlantic Provinces Swine Producers Awards; Michele White, Ketchum Manufacturing Company Ltd. Prize; Michael Bouma, K. DeGeus Memorial Prize for Plant Science. The valedictory address was delivered by J. William MacLeod.

BACHELOR OF SCIENCE IN AGRICULTURE DEGREES

AGRICULTURAL ECONOMICS

Ann Marie Allen.....Truro, N.S.
Veronika Mlakar Brandt - Honours.....Merigomish, N.S.
Terry Arthur Jones.....Woodstock, N.B.
David Wendell Livingstone.....Debert, N.S.
John Ronald Martin MacDonald.....Antigonish, N.S.
Brian Scott MacLeod.....New Glasgow, N.S.
Darrell Estwood McIsaac.....Stickney, N.B.
William Lloyd Parsons.....Ottawa, Ontario

AGRICULTURAL MECHANIZATION

Beverly Tremain Connell - Honours....Lawrencetown, N.S.
Kent Jason Curtis.....Fredericton, N.B.
Sheldon Scott Howatt.....Albany, P.E.I.

ANIMAL SCIENCE

Kathryn Anne Broadbent.....Lennoxville, P.Q.
Catherine Christine Chown.....Belleisle Creek, N.B.
Jacob John Cox.....Mabou, N.S.
Mary Catherine Daley.....Hampton, N.B.
Brenda Elizabeth Currie Dean.....Saint John, N.B.
Deborah Ann Douglas.....Tyne Valley, P.E.I.
Sean Alfred Firth.....Canning, N.S.
Timothy David Flemming.....Meagher's Grant, N.S.
Alexandra George.....Yarmouth, N.S.
Mary Christina Lecky.....Summerside, P.E.I.

William Brian MacDonald.....Heatherton, N.S.
Yvonne Marie MacIsaac.....Georgeville, N.S.
Andrew Raymond MacPherson.....Birch Grove, N.S.
Gwendolyn Dawn Petherick.....Moncton, N.B.
Lisa Marie Purcell.....Saint John, N.B.
Joanne Brenda Rafuse.....New Germany, N.S.
Lee Anne Reeves.....Sydney, N.S.
Kimberley Jane Smith.....Truro, N.S.
Claudette Theresa Theriault.....Arichat, N.S.
Bethany Ellen Uttaro.....Pointe Claire, P.Q.
Christopher Isaac Uy - Honours.....Saint John, N.B.
Marianne Jean Ward - Honours.....Granville Ferry, N.S.

PLANT PROTECTION

Anthony David Hall.....New Glasgow, N.S.
Brian Colin MacCulloch - Honours.....New Glasgow, N.S.
Peter John MacLeod.....Deep Brook, N.S.
Clinton William Pinks.....Tantallon, N.S.
Lynda Rankin.....Fredericton, N.B.
Jacqueline Mary Smith.....Windsor, N.S.

PLANT SCIENCE

Sean Wesley Carson.....Sydney Forks, N.S.
Phyllis Margaret Cummings.....Truro, N.S.
Christopher Luke Eyking.....Bras d'Or, N.S.
Donald Edward Finck.....Avonport, N.S.
Graham Collins Kempton.....Port Williams, N.S.
Margot Joan Lownds.....Halifax, N.S.
Sarah Catherine Macdonald - High Honours....Truro, N.S.
John William MacLeod - Honours.....Glace Bay, N.S.
Jane Elizabeth Morton.....New Germany, N.S.
Sarah Nettleton.....Truro, N.S.
Jean Michal Stevens.....Hampton, N.B.
John Herman Van der Linden.....Heatherton, N.S.

TECHNICIAN DIPLOMAS

AGRICULTURAL BUSINESS

Adrian Andy Ackermann.....Shubenacadie, N.S.
Bernadette Margaret Catherine Arsenault..O'Leary,P.E.I.
Andrew Guy Ashworth - Honours.....Plaster Rock, N.B.
Jocelyn Irene Carroll.....Milford Station, N.S.
Paul Martin Carroll.....Milford Station, N.S.
Kevin Laurence Coates.....Moncton, N.B.

Reid Edward Culberson.....Woodstock, N.B.
John Edward Henry - High Honours.....Truro, N.S.
Richard Albert Higgins - Honours.....Middle Musq.,N.S.
Kevin Eugene Kelly.....Mt. Stewart, P.E.I.
Anthony Jason Lowe.....Lawrencetown, N.S.
William Ray MacNeill.....Coleman, P.E.I.
Dwayne Hoyt Pearson.....Cody's, N.B.
Garth Allan Reid.....Oxford, N.S.
Susan Angela Roebuck.....Bedford, N.S.
Beverly Jean-Marie Roach.....Truro, N.S.
Bruce Allen Roberts - Honours.....Truro, N.S.
Bethany Ruth Smith.....Moncton, N.B.

AGRICULTURAL MECHANIZATION

Darlene Marie Arsenault.....Wellington, P.E.I.
Robert Evan Baillie.....Scotsburn, N.S.
Ian Richard Bain.....Truro, N.S.
John Angus Beaton.....Port Hood, N.S.
Howard Brenton Crooks.....Hopewell, N.S.
Paul Ernest Fage.....Mouth of Keswick, N.B.
Gary Allan Killen.....West Bay Road, N.S.
David Leslie Weatherhead.....Upper Rawdon, N.S.

ANIMAL SCIENCE

Randall James Affleck.....Lower Bedeque, P.E.I.
Darren James Allison - High Honours.....Windsor, N.S.
Lynn Margaret Beckwith.....Salisbury, N.B.
Brian Gordon Bishop.....Stephenville Cross., Nfld.
Daniel Allan Doherty.....Apohaqui, N.B.
Valerie Theresa Kyte.....Yarmouth, N.S.
Arlene Anne Muise.....Margaree, N.S.
Gary James Ralph MacDonald.....Summerside, P.E.I.
Gregory Mervin MacDonald.....St. Anthony, N.B.
Jennifer Ellen MacDonald.....St. Mary's, N.B.
Frances Maureen MacInnis.....Big Pond Centre, N.S.
Janice Elizabeth Schofield.....New Minas, N.S.
Michele Lee White - High Honours.....Truro, N.S.

FARM EQUIPMENT

John Wallace Bruce.....Bridgetown, N.S.

PLANT SCIENCE

David Lee Bowlby.....Aylesford, N.S.

Kevin Scott Burgess.....Rose Bay, N.S.
David Donald Carmichael.....Montague, P.E.I.
William Heath Glover.....Bedeque, P.E.I.
Daniel Taylor LeBlanc.....Grand Falls, N.B.
Kyle Michael Murray.....Borden, P.E.I.
Jeffrey Arnold MacRae.....Charlottetown, P.E.I.
Harlene Donna Pick - Honours.....Newport, N.S.
James Edward West.....Milford Station, N.S.
Peter Lawrence Yeo.....Central Lot 16, P.E.I.

DIPLOMAS OF TECHNOLOGY

AGRICULTURAL TECHNOLOGY

Michael Christopher Bouma.....Robertville, N.B.
Susan Augusta Sullivan.....Rexton, N.B.

BIOLOGY LABORATORY TECHNOLOGY

Katherine Mary Grant - Honours.....Thorburn, N.S.
Angela Gail Grasse - High Honours.....Oromocto, N.B.
Gwen Jean MacLean - High Honours.....Pictou, N.S.
Donna Faye McCormick.....Salisbury, N.B.
Cynthia Anne Rodd - High Honours.....Cornwall, P.E.I.

CHEMISTRY LABORATORY TECHNOLOGY

Milo Shirlene Barbour.....Elmsdale, P.E.I.
Margaret Jean Clyburne - Honours.....New Glasgow, N.S.
Helen Arlene Fraser - High Honours.....Antigonish, N.S.
Robert Douglas Kinley - High Honours....Dartmouth, N.S.
Engelina Emmy Post.....New Glasgow, N.S.
Maurice Joseph Robichaud.....Richibucto, N.B.

FARMING TECHNOLOGY

John William Peter Dykstra - Honours.....Pictou, N.S.

LANDSCAPE HORTICULTURE TECHNOLOGY

Kimberly Anne Allaby.....Westfield, N.B.
Darwin Clayton Carr - Honours.....Oromocto, N.B.
Aldegonda Bernadette Francisca Laureys - Honours.....
.....North Grant, N.S.

Daniel Taylor LeBlanc.....Grand Falls, N.B.
Stewart Hector Morrison.....Reserve Mines, N.S.
Thomas Craig Murdock.....Truro, N.S.
Robert Guy MacPherson.....Dartmouth, N.S.
Frances Hedy Ochsner.....Hunter River, P.E.I.
Alice Rita Robichaud.....Meteghan, N.S.
Bernard John Scholten.....Saint John, N.B.
Wendy Jo-Anne Whiting - Honours.....Saint John, N.B.

HONORARY DEGREES

LL.D.'s awarded for the first time by Dalhousie University in association with N. S. A. C. to:

Lewis Ewan Lloyd
B.Sc.(Agr.), M.Sc., Ph.D.

Clayton Macfie Switzer
B.S.A., M.S.A., Ph.D.

LIBRARY REPORT

The Library services, for the period under review, were carried out in the normal and orderly fashion.

The Reference Department performed its regular duties. Special effort was made to re-organize the Government Documents section, with the help of library school student Martha Langille. 894 documents were catalogued and added to this section. These records, as well as 1800 revised records, will be entered into the VAX database during the summer of 1987 with the help of summer student Darren Black who began on May 4, 1987. Use of the interlibrary loan system stabilized somewhat from the heavy annual increases of the last several years. The use of ENVOY 100 for interlibrary loans has proven to be both economical and efficient and has not noticeably reduced the turnaround time on many interlibrary loan requests.

The Acquisition Department has built on its success. All functions with respect to acquisition of books and periodicals have been streamlined and carried out during this time period. The latest edition of serials holdings has been prepared and distributed. Because of the excessive workload in the Acquisition Department, extra help was sanctioned in the form of two ½ day casuals. (Mrs. Marilyn Foote and Miss Marlene MacCallum)

The Cataloguing Department suffered a set back with the resignation of Barbara Lewis in November, 1986. Two temporary (RuthMary MacPherson and Martha Langille) staff were hired for short terms. However, the work of the Department was carried on with help from Kelly Ju.

The Circulation Department as a separate unit was abolished last year. Circulation work was carried on by Sherree Miller and B. Sodhi with occasional help from Joanne Campbell. All other staff members do work in the circulation area at one time or another.

The Library had very liberal hours of operation during the academic sessions. During the summer break, besides the regular hours, the Library was open Wednesdays from 6:00 - 10:00 P.M., to accommodate people who couldn't use the Library in the daytime.

The Library Committee was a great help as usual. It superbly performed its advisory and supervisory role. The full Committee met five times during this period.

In August, 1986, a sub-committee was appointed, under Dr. Anderson's chairmanship, to help with preparation of the Library's budget submission for April 1, 1987 - March 31, 1988. The sub-committee did spendid work in this regard.

Another sub-committee under the chairmanship of Dr. Caldwell, dealt with allocation for books and periodicals. It held several meetings. It finalized the formula for the present and next three years. It also proposed to the Library Committee, budget for books and periodicals for April 1, 1987 - March 31, 1988. The proposal was approved for implementation.

The Library Committee last year established an on-going sub-committee called "The Library Funding Committee". At present it is chaired by Bonnie Waddell. This Committee has been doing an excellent job in fulfilling its mandate.

The Class of 1987, in its great wisdom and forethought, donated to the Library's Student Typing Room, 2 new electronic typewriters.

STATISTICS
June 1, 1986 - May 31, 1987

1. Books added	1,775
2. Current Periodicals	812
3. Circulation of Library Materials	12,435
4. Visitors to the Library	46,642
5. Interlibrary Loans	
a) Books borrowed	394
b) Books loaned	131
c) Photocopies obtained	1,061
d) Photocopies sent	102
6. Binding	692
7. Cataloguing	1,476

8. Reference Department Activities

a) Publications	2
b) Tours (for 651 people)	60
c) Workshops (for 52 people)	8
d) Reference Questions	261
e) Instruction Sessions	102
f) Referrals	12
g) Online Information Search Requests	26
h) Online Searches Prepared	42
i) Documents Added (Vols.)	2,039

RESEARCH PROJECTS

Research Projects were funded from a number of sources. Some of these were at the discretion of the Committee while others were the result of individual initiative. A number of investigative projects are not included. The fund sources are as follows and may or may not be included in these statistics.

Source	Projects/ Grants	Funds $,000.
N.S. Department of Agriculture and Marketing	35	185,
Agriculture Canada	3	40,
NSERC	11	246,
Industry Contracts and Grants	21	131,
Canada-Province Development Agreement	10	221,
	80	823,

Readers are encouraged to contact the project leaders for further information. Inquiries concerning the overall program may be made through any committee member.

1986 RESEARCH PROJECT REPORTS

Project Number	Project Leader	Project Title
86-01	H.-Y. Ju	European Canker Control of Apple Trees
86-02	D. M. Anderson	Nutritional Evaluation of Crab Meal
86-03	M. G. Sampson	Integrated Control of Canada Thistle
86-04	D. Allen	Earth Tube Heat Exchangers
86-06	J. S. Bubar	Cereal and Protein Crops
86-07	J. S. Bubar	Forage Crops
86-08	A. Madani	Subsurface Drainage System Performance Study
86-09	D. Mellish	Cereal Rate of Seeding Trial
86-11	R. A. Murray	Evaluation of Grape Cultivars and Trellising Systems

86-13	W. DeWitt	Survey of Antigodies and Persistance of Antibodies to 4 virus diseases in broiler chicks as detected by the E.L.I.S.A. technique
86-14	D. M. Anderson	Effects of Post Harvest Drying of Cereal Grains
86-16	M. L. Connor	Fox Production and Reproduction
86-19	M. N. Rifai	FMC Carrot Harvester Modification
86-20	M. G. Sampson	Blueberry Weed Book
86-21	M. L. Connor	Melatonin and Reproduction in Furbearers
86-22	N. L. Firth	Chicken Fat in Pig Feeds
86-24	T. H. Haliburton	1986 Vegetable Variety/Management Trials
86-25	R. K. Prange	Clonal Selection and Propagation of the Ostrich Fern
86-26	L. J. Eaton	Nutrition and Management of Lowbush Blueberries
86-27	A. H. Fredeen	Evaluation of Hydrochloric Acid - Treated Direct Cut Silage for Dairy Cattle
86-28	L. R. Mapplebeck	Differential Susceptibility of Crop Cultivars to Herbicides
86-30	H.-Y. Ju	American Ginseng Production in Nova Scotia
86-45	D. M. Anderson	Digestibility Studies Using Atlantic Canada Feedstuffs
86-46	R. W. Daniels	Turfgrass Evaluation and Management
86-51	D. C. Crober	Computerized Environmental Control and Flock Management System
86-52	M. G. Sampson	Quackgrass Biotypes
86-53	A. B. Gray	Winter Wheat and Barley Diseases
86-66	M. L. Connor	Determination of Gonadotropic Hormones by Radioimmunoassay
86-67	A. R. Robinson	Corticosterone Levels and Layer Performance
86-68	J.-P. Le Blanc	Effect of Temperature on Predatory Mites on Apple
86-69	A. R. Olson	Test Tube Pollination of Cultivated Potatoes
86-70	J. Nowak	Germplasm Preservation by Freeze-Drying Potato and White Clover
86-73	P. R. Warman	Effects of Fertilizers and Soil Properties on Asparagus Yield and Nutrition
86-74	H.-Y. Ju	Growth Regulator Studies on Lowbush Blueberry
86-77	T. Tennessen	Improving Cage Design for Laying Hens - Stage 2
86-80	A. H. Fredeen	Effect of Dietary Calcium Source and Amount on Blood Mineral Profile and Incidence of Parturient Paresis

86-81	K. G. Grant	Price Forecasting and Hedging by Maritime Feed-Grain Industry
86-83	D. L. Patterson	Strain Differences and Prediction of Carcass Fat in Broiler Chickens
86-84	D. M. Anderson	Wet Versus Dry Feeds for Growth, Lactation and Reproduction in Foxes
86-86	D. C. Crober	Strain and Housing Effects on Caged Layers
87-75	J. C. Miller	Direct, Rapid Assay for Tritiated Water (^3HOh) in Soil Samples
	A. H. Fredeen	Evaluation of Kale Pasture for Beef Cows in Late Pregnancy
	D. C. Crober	Use of Artificial Insemination in the Production of Hatching Eggs
	D. C. Crober	Use of Intermittent Lighting for Commerical Layers
	W. G. Mathewson	Accelerated Lamb Production Using Light Control
	K. G. Grant	Free(r) Canada-United States Trade and Atlantic Canada's Agriculture
	M. G. Sampson	Herbicide Screening in Barley, Soybean, Corn, Blueberries, and Fallow
	M. G. Sampson	The Development of an Integrated Weed Control Program in Barley for Agrophron repens (L.) Beauv. (Quackgrass) - A Systems Approach
	J. C. Lewis H.-Y. Ju M. L. Connor	Effects of Plant Growth Regulators on Growth of Lowbush Blueberry Puberty Induction and Ovulation Rate in Gilts
	A. H. Fredeen	Effect of Rate of Feeding Concentrates on Forage and Nutrient Intakes and Performance of Dairy Cows in Mid-lactation
	M. G. Sampson	Biological Control of Perennial Weeds in Nova Scotia
	J. Nowak S. Matheson N. MacLean	In Vitro Selection of Cold Stress tolerant Alfalfa
	K. S. MacLean	Effects of Applications of Sewage Sludge to Farm Lands on the Protein, Organic Matter and Heavy Metal Contents
	D. Northcott J. Nowak	Application of Hydrogen Cyanamid for Dormancy Breaking in Potato
	R. G. Ackman N. L. Firth	Pilot Test of Urea-Fish Oil Fatty Acid Complexes in Ruminant Nutrition
	J. Nowak	Selection for Regeneration from Red

N. MacLean	Clover Callus Tissue
H.-Y. Ju J. Nowak	Effect of Boron Nutrition on Glucosinolate Content in Crucifers

PUBLICATIONS

Referred Journals

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Nass, H. G., Jones, D., Bubar, J. S., Walton, R. B., Langille, J. E. and B. Dupuis. 1987. Belvedere Spring Wheat. Can. J. of Plant Sci. 67:253 (Research Note).

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Gray, A.B., and W. E. Sackston. 1987. Host-parasite relationships in dual cultures of Helianthus annuus and Plasmopara halstedii. Can. J. Bot. (in press).

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Ju, H.-Y. and W. J. Mullin. 1987. Comparison of ascorbic acid content in imported tomatoes and in cultivars grown in Nova Scotia. Can. J. Plant Sci. 67:331-335.

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Czapla, J., G. Nowak and J. Nowak. 1987. A study of the agricultural application of plant growth regulators. Part III. Effect on high N-fertilization and IAA, GA_3 and kinetin on growth responses in grasses. Zesz. Nauk. ART Olszt. (in press).

Nowak, J., B. Sonaike and G. Lawson. 1987. Auxin induced stress tolerance in algae and its potential use in aquaculture and environmental ecology. Nigerian Journal of Science and Technology (in press).

Olson, A. R. Postpollination gynoecial development of a diploid Solanum tuberosum L. 1. The pericarp. Can. J. Bot. (submitted).

Olson, A. R. Postpollination gynoecial development of a diploid Solanum tuberosum L. 2. The placentae. Can. J. Bot. (submitted).

Olson, A. R. 1987. Ovule maturity in relation to blossom age of a diploid clone of Solanum tuberosum L. Can. J. Bot. 65: 706-709.

Olson, A. R. and J. Nowak. Free polyamines in placentae and ovules of Solanum tuberosum L. during postpollination development. Planta (submitted).

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College Farm 1986-1987

Crops

During the 1986 harvesting year two crops of grass and legume were cut. Yields were good and the quality above average with the crude protein from the various fields ranging from 10.5 to 18.4% on a dry matter basis. However, the yields on fall and winter grains, corn silage and soybeans were disappointing. The wet summer and fall resulted in difficult harvestisng with low yields and high moisture for the grains and corn silage.

During the summer approximately 1.5 hectares of land was acquired from Mr. Ed Lorraine. This land is adjacent to the Colenbrander property acquired in 1985.

The cropping program for 1986 and the cropping intentions for 1987 are shown below:

Crop	Actual 1986 (Ha)	Planned 1987 (Ha)
Research Plots	5	5
Corn Silage	32	32
Legume Forage	30	24
Grass Forage	14	20
Direct Seeded	10	35
Cultivated Pasture	20	20
Improved Pasture	21	19

Annual Ryegrass	10	04
Barley	8	12
Oats	10	0
Winter Wheat	8	0
Spring Wheat	0	5
Soybeans	3	0
Total Hectares	171	171

Livestock

Changes in livestock numbers with year end inventories were:

	April 1/86 Begin	Born	Bought	Died	Sold	March 31/87 End
Beef Cattle	156	46	3	4	48	153
Dairy Cattle	104	51	1	12	42	102
Sheep	178	111	18	24	163	120
Swine	548	1073	2	243	919	461
Foxes	75	159	3	30	46	161
Mink	53	274	5	81	136	115

Dairy Cattle

The BCA rolling herd averages as of March, 1987 were 173 M - 169 F for the Ayrshire herd and 158 M - 164 F for the Holsteins. Milk production was down with 277,105 liters being sold for the year. The sale value of milk ws $116,158.93 ($41.92/hl) and a net value (marketing deductions including haulage) of $31.65/hl.

The dairy herd was used for several research and student projects including:

1. Physiological responses of calves placed in hutches;
2. Comparison of direct-cut acid treated silage to wilted silage and hay;
3. Effect of source and amount of calcium on blood mineral profile and incidence of milk fever;
4. Effect of feeding rate of concentrates on forage intake and performance;
5. Effect of age of dam and time after calving on colostral density;
6. Effect of colostrum intake on immunoglobulin and protein content on calf serum;
7. Performance of New Zealand Holsteins to Canadian bred Holsteins.

The dairy stable was remodelled during the year with the removal of the steel stanchions and calf pens. These were replaced with 43 comfort stalls to permit

individual feed and research on each cow in the herd. A 50' x 80' concrete manure storage with an underground delivery system was also completed.

Beef Cattle

Sixty-four calves were born from 62 beef cows in 1986. The beef herd continued to run four breed groups during the year with Lacombe Shorthorn and a Simmental bull being the primary sires.

The east beef barn was remodelled to accommodate free-stalls for the mature cows. In addition the hay barn was converted to a free-stall barn to house weaned calves.

A summary of the beef herd performance follows (lbs.):

Breed Group	Number Calving	Calves Weaned	Adjusted Weaning Wt.	Adjusted Yearling Weight
Hereford	12	13	436	952
A.C. Shorthorns	23	24	405	933
Lacombe Shorthorns	18	18	388	889
X-Breeds	9	9	457	999

Sheep

The sheep trial comparing traditional and intensive ewe flocks was brought to an end in 1986. Many of the ewes in the project have been culled for productive and reproductive reasons. A feeding trial was held in the fall comparing the value of pasture, grain and brassicas as a source of feed for growing and finishing lambs.

Swine

The swine unit maintained an average herd size of 42 sows and 4 gilts during the year. A total of 1073 pigs were born alive for an average of 9.7 per sow with 8.1 being weaned. There were 919 hogs marketed during the year with 46.7% grading with an index of 105 or better. Nineteen percent indexed 102-104, 26% indexed 101 or less and 8% of the marketing were gilts, sows and boars.

Again this year the College cooperated with the Nappan Experimental Farm with their research projects marketing 547 hogs compared with 372 from the College facility.

Research and student projects in the swine unit included:

1. Split weaning of sows;
2. The comparison of canola meal in pre-starter and starter diets;
3. Puberty induction, ovulation rate and embryo survival in gilts.

Poultry

Three broiler flocks and one turkey flock in addition to 2000 layers were used in teaching, research and student projects during the year.

Fur Unit

Fox and mink numbers were increased during the year at the fur unit. Research and student projects included:

1. A comparison of wet and dry feeds;
2. The effect of handling foxes on behaviour, production and reproduction;
3. The collection and processing of fox semen;
4. Artificial insemination of foxes;
5. Photoperiod regulation of reproduction in foxes;
6. The influence of melatonin on furring and reproduction in mink and fox;
7. Melatonin vs. low illumination for furring in foxes.

SUMMER CONFERENCES

This past Conference Season has, once again, been most successful. We hosted 40 different organizations in residence, with a total participation of approximately 4,270 persons. Several new groups utilized our facilities, some of which have confirmed reservations for 1987.

CONVENTION LIST- 1986

W.H.E.N. (Women's Health Education Network)
Presbyterian Men's Conference
A.C.I.R.A.
W.I.N.S.
C.U.S.O.
4-H Clubs of N.S.
N.S. Rughooking School
Adult Vocational Staff Training
Volleyball N.S.
Presbyterian Youth Camp
Fed. of Senior Citizens and Pensioners
A.S.T.E.
Beta Sigma Phi
Pentecostal Women's Retreat
D.N.D. Glider Training School
N.S. Association of Garden Clubs
Prov. and Atlantic Midget Dev. Hockey
Advanced Hosp. Microbiology Course
N.S. Association of Homemakers
Church of Latter Day Saints Youth

Spartans Gymnastic Camp I, II, III and IV
N.S. Junior and Senior Music Camp
Salem State Geology Field School
N.S.A.C. Girls' Basketball Camp
Alumni Weekend and Open House
N.S.H.A. Coaching Seminar
N.S. Rugby Tournament Teams
Yearbook Workshop
Atlantic Ecumenical Conference
N.S.A.C. Boys' Basketball Camp
N. S. Special Olympics
Atlantic Kinsmen
N.D.P. Provincial Convention
Laubach Literacy Society
N.S. Council for Life

SPECIAL EVENTS AT N. S. A. C.

College Royal '86

"Head Out to College Royal" was the theme for College Royal '86 - October 30 - November 2, 1986. The Chairpersons were Dianne Lowe and Robert Giffin.

Winter Carnival

"Surf's Up at the A.C." was the theme this year for Winter Carnival, which was held from January 28 - February 1. The Chairpersons for Winter Carnival '87 were Sally Steeves and Lloyd Dalziel.

Founding Day Service

1987 saw A.C. celebrate its 82nd birthday with a banquet in Jenkins Hall on February 13th. Highlight of the occasion was a candle lighting service. Those participating were Ms. Margaret Swan, N.S.T.C. (School of Agriculture); Mr. James Boyle, Village Commission (Purchase of land in Bible Hill); Mr. J. E. Shuh, Professor Emeritus (School of Horticulture); Dr. H. F. MacRae, Principal (Founding of N.S.A.C.); Hon. Roger Bacon, Minister of Agriculture & Marketing (Support of Governments); Mr. David Sangster, President (Alumni) and Mr. Bill MacLeod, President, United Students Council (The Present). Prof. Peter Sanger of the Humanities Department gave an overview of the College's history from publications past and present. The service was presided over by the College Chaplain Douglas MacEachern. The menu of the day was after the order of food at the turn of the century.

N.S.A.C. 2nd. Annual Woodsmen Competition

The chairperson for this event which was held on Saturday, February 7, 1987 was Cindy MacDonald.

N.S.A.C. SEMINAR PROGRAM

The following seminars were held at the College during the 1986-87 academic year:

(1) Crop Production Under Limited Moisture Conditions in the Canadian Prairies
Dr. Garland E. Laliberte, P.Eng.,P.Ag. - September 17, 1986

(2) The E.E.C.-U.S. Agricultural Trade Dispute
Professor D. Strijeer - October 22, 1986

(3) What: Self-Sufficiency for the Maritimes?
Dr. Claude Caldwell - November 24, 1986

(4) The Right to Farm: The Law Then and Now
Mr. Jonothan Davies, Solicitor, NSDAM - March 4, 1987

(5) N.S.A.C.'s Involvement in Thailand: Post-Harvest Technology
Dr. Bruce Gray - March 25, 1987

(6) Human Nutrition Policy - Does Agriculture Have a Role?
Dr. Lewis Lloyd, P.Ag. - May 7, 1987

NOVA SCOTIA AGRICULTURAL COLLEGE

REPORT OF THE PRINCIPAL

1987-1988

TRURO, N.S.

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NOVA SCOTIA AGRICULTURAL COLLEGE

OVERVIEW

Enrolment decreased slightly in 1987 - 88. Estimates for 1988 - 89 indicate similar enrolment numbers. In the diploma programs, demand for places is strong in Landscape Horticulture, Animal Health Technology and Biology Laboratory Technology and weaker demand for places in the more farm related programs. The new Animal Health Technology program will begin in September, 1988 with fifteen students enrolled.

The farmstead planning process has continued during the past year. Roles and goals for the farm and present buildings have been assessed. The capacity for most animal units has been determined and renovation concepts are in the development stage.

A fur unit service building is now under construction. It will provide a feed kitchen, metabolism laboratory, A. I. collection and quality control area and a demonstration room. A new woodchip burning addition to the Central Heating Plant is under construction and should be completed by October, 1988. The Boulden Building is scheduled to be renovated during the coming year as a new small laboratory animal centre and a new welding shop has been added to the Banting Building for the Agricultural Engineering Department. A house on College Road is now under renovation for a campus Day-Care Centre to serve both staff and students.

Our involvement in international development programs continues to expand. Two new projects began in 1988; one with the College of Agriculture in Jamaica and one with the School of Agricultural Technology at Francisco de Paula Sontander in Columbia. Work continues with Gambia College in the Gambia, Hunan Agricultural College in China and with the international course on Potato Production Technology.

Research activity continues to grow and funding from all sources is approaching $1.5 M.

REGISTRATION

1987-1988

1st Year B.Sc.(Agr.)	69	
2nd Year B.Sc.(Agr.)	71	
3rd Year B.Sc.(Agr.)	84	
4th Year B.Sc.(Agr.)	64	
Sub-Total B.Sc.(Agr.)		288
1st Year Engineering	4	
2nd Year Engineering	4	
3rd Year Engineering	2	
Sub-Total Engineering		10
1st Year Technicians	79	
2nd Year Technicians	60	
Sub-Total Technicians		139
1st Year Technology	41	
2nd Year Technology	25	
Sub-Total Technology		66
Special Students*		31
Total Full Time Students		534

*Students not in a regular program leading to a degree or diploma.

FACULTY OF INSTRUCTION

COLLEGE YEAR 1987-88

Principal

H. F. MacRae, B.Sc.(Agr.) McGill, M.Sc. (McGill), Ph.D. (McGill), D.Sc.(Hon.)(McGill)

Principal Emeritus

Kenneth Cox, B.S.A. (Toronto), M.S.A. (McGill), L.L.D. (McGill)

Vice-Principal

I. M. Fraser, B.Sc. (Dalhousie), M.A. (Maine)

Dean, Vocational and Technical Education

A.D. Ells, B.Sc.(Agr.) (McGill), M.A. (Acadia)

Registrar

V. L. Saxon, B.Sc.(Dalhousie), B.Ed.(Acadia), B.Eng.(Nova Scotia Technical College),M.B.A.(Dalhousie),

Librarian

B.S. Sodhi, B.A. (Punjab), M.A. (Punjab), Dip. L. Sc. (Punjab)

Dean of Students - Chaplain

Rev. D.I. MacEachern, B.A. (Mt. Allison), M.Div. (Pine Hill)

Deans of Residence

J. M. Smith, B.P. Ed. (Dalhousie)
K. Greenwood
J. M. Bowker, B.A.(Bates), Ph.D.(Texas A & M)

Director of Athletics

K. S. Marchant, B.P. Ed. (New Brunswick), M.S. (Springfield)

Placement Officer

B. M. Crouse, B.Sc.(Agr.)(Guelph)

Farm Manager

E. G. Maynard, B.S.A. (Toronto), B.Ed. (Mt. Allison), M.S.A.(Guelph)

Agricultural Engineering

James Adams, B.Sc. (Strathclyde), M.Sc. (Reading) - Associate Professor
J. F. Adsett, B.Sc.(Agr.)(McGill), M.Sc.E.(U.N.B.) - Assistant Professor
D.A. Allen, B.Sc. (Eng.) (Guelph), M.Sc. (Agr. Eng.) (Purdue) - Associate Professor
J.D. Cunningham, B.S.A. (Toronto), B.E. (Nova Scotia Technical College), M.A.Sc. (Technical University of Nova Scotia) - Associate Professor
F.L. Desir, B.Sc. (Agr. Eng.) (McGill), M.Sc. (McGill) - Assistant Professor
P.L. Havard, B.Sc. (Agr. Eng.) (McGill), M.Sc. (McGill) - Associate Professor
S.A. Madani, B.Sc. (Bahlavi), M.Sc. (British Columbia), Ph.D. (Washington) - Assistant Professor
M.N. Rifai, M.Sc. (Nitra), Ph.D (Nitra) - Associate Professor

Animal Science

L.M. Cock, B.Sc. (Agr.) (McGill), M.S. (Wisconsin), Ph.D. (Maine) - Professor and Head
P.Y. Hamilton, B.Sc. (Agr.) (McGill), M.Sc. (Maine) - Professor Emeritus
D.M. Anderson, B.S.A. (Manitoba), M.Sc. (Manitoba), Ph.D. (Saskatchewan) - Associate Professor
M.L. Connor, B.Sc. (Agr.) (Guelph), M.Sc. (Manitoba), Ph.D. (Manitoba) - Associate Professor
D.C. Crober, B.Sc. (Agr.) (McGill), M.Sc. (McGill), Ph.D. (British Columbia) - Professor
N. L. Firth, B.Sc. (Edinburgh), M.S. (Purdue), Ph.D. (Cornell) - Assistant Professor
A.H. Fredeen, B.S.A. (Saskatchewan), M.Sc. (Guelph), Ph.D. (California) - Assistant Professor
A. Lirette, B.Sc.,S.(Medicine)(Laval), B.Sc.A.(Laval), M.Sc.(Laval), Ph.D. (Alberta) - Assistant Professor
W.G. Mathewson, B.Sc. (Agr.) (Aberdeen), D.T.A. (Trinidad), M.Sc. (Aberdeen) - Associate Professor
E. G. Maynard, B.S.A.(Toronto), B.Ed.(Mt. Allison), M.S.A.(Guelph) - Farm Manager
D.L. Patterson, B.Sc. (Alberta), M.Sc. (Guelph), Ph.D. (Guelph) - Associate Professor
T. Tennessen, B.A. (Alberta), B.Sc. (Alberta), M.Sc. (Alberta), Ph.D. (Alberta) - Assistant Professor

Biology

L.A. McFadden, B.Sc. (Agr.) (McGill), M.Sc. (Cornell), Ph.D. (Cornell) - Professor and Head
A.E. Roland, B.A. (Acadia), M.A. (Toronto), Ph.D.(Wisconsin),D.Sc.(Acadia), D.Sc.(Dalhousie), F.A.I.C. - Professor Emeritus
M.E. Neary, B.Sc. (Agr.) (McGill) - Professor Emeritus
L.E. Crosby, B.Sc. (Acadia), M.Sc. (Acadia) - Associate Professor

L.J. Eaton, B.Sc. (Acadia), M.Sc. (Dalhousie) - Associate Professor
A.B. Gray, B.Sc. (Bishops), M.Sc. (McGill), Ph.D.(McGill) - Assistant Professor
J.-P.R. Le Blanc, B.A. (Montreal), B.Sc. (Quebec), Ph.D. (McGill)- Associate Professor
A.R.Olson, B.A. (Augustana), M.Sc. (Wisconsin), Ph.D. (Alberta) - Associate Professor
M.G. Sampson, B.Sc. (Dalhousie), B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Assistant Professor
G.W. Stratton, B.Sc. (Agr.) (Guelph), M.Sc. (Guelph), Ph.D. (Guelph) - Associate Professor

Chemistry-Soils

H.M. MacConnell, B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Associate Professor and Head
W.M. Langille, B.Sc. (Acadia), M.Sc. (McGill) - Professor Emeritus
G. R. Brewster, B.A.(Western Ont.), M.Sc.(Western Ont.), Ph.D.(Western Ont.) - Associate Professor
J.E. Hawley, B.Sc. (Agr.) (McGill) - Assistant Professor
J. Hoyle, B.A.(Univ. York), B.A.(Open Univ.), M.Sc.(Leeds), Ph.D.(Dalhousie) - Assistant Professor
K.S. MacLean, B.Sc. (Dalhousie), M.Sc. (McGill) - Associate Professor
H.F. MacRae, B.Sc. (Agr.) (McGill), Ph.D. (McGill), D.Sc.(Hon.)(McGill) - Principal & Professor
J.C. Miller, B.Sc. (Agr.) (Guelph), M.Sc. (Alberta) - Assistant Professor
A.S. Payne, B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Associate Professor
A.R. Robinson, B.Sc. (Agr.) (McGill), M.Sc. (McGill), Ph.D. (McGill) - Professor
P.R. Warman, B.Sc. (Agr.) (Rutgers), M.Sc. (Guelph), Ph.D. (Guelph) - Associate Professor

Economics and Business Management

J.C. Tait, B.Sc. (Agr.) (McGill), M.Sc. (New Hampshire) - Associate Professor and Head
D.E. Arnfast, B.B.A. (St. Francis Xavier) - Assistant Professor
A.D. Ells, B.Sc. (Agr.) (McGill), M.A. (Acadia) - Associate Professor
J. M. Bowker, B.A.(Bates), Ph.D.(Texas A & M) - Assistant Professor
J.J. Brennan, B.Sc. (Agr.) (McGill), M.Sc. (Alberta) - Assistant Professor
K.G. Grant, B.A. (Acadia), M.A. (Western Ontario), Ph.D. (Western Ontario) - Associate Professor
P. Lederman, B.A.(Queens), M.A.(Dalhousie), LL.B.(Queens), BCL(Oxford) - Sessional Lecturer
S.J.B. Stackhouse, B.Sc. (Agr.Ec.) (Guelph), M.Sc. (Guelph) - Associate Professor

Humanities

P. M. Sanger, B.A. (Melbourne), B.Ed. (Acadia), M.A. (Victoria) - Associate Professor and Head
Parker Cox, B.A. (Acadia), M.A. (Toronto) - Professor Emeritus
P. A. MacCormick, B.A.(Dalhousie), B.Ed.(Dalhousie), M.B.A.(Dalhousie) - Sessional Lecturer
Rev. D.I. MacEachern, B.A. (Mt. Allison), M.Div. (Pine Hill) - Associate Professor
K. S. Marchant, B.P.Ed. (New Brunswick), M.S. (Springfield) - Associate Professor
L.L. Sanderson, B.Sc.(Agr.)(Guelph), M.Sc. (Guelph) - Assistant Professor
J.M. Smith, B.P.Ed. (Dalhousie) - Assistant Professor

Mathematics and Physics

S.G. Smith, B.Sc. (Mt. Allison), M.Sc. (Windsor) - Associate Professor and Head
D.G. Bishop, B.Eng. (Agr.) (Technical University of Nova Scotia), M.Eng. (Agr.) (Technical University of Nova Scotia) - Associate Professor
I. M. Fraser, B.Sc.(Dalhousie), M.A.(Maine) - Associate Professor and Vice-Principal
C. T. Madigan, B.Sc.(Windsor), M.Sc.(Windsor) - Associate Professor
G. J. Pearson, B.Sc.(Queens), M.Sc.(Queens), B.Ed.(Dalhousie) - Assistant Professor
V. L. Saxon, B.Sc.(Dalhousie), B.Ed.(Acadia), B.Eng.(Nova Scotia Technical College), M.B.A.(Dalhousie) - Associate Professor and Registrar

Plant Science

C.D. Caldwell, B.Sc. (Mt. Allison), M.Sc. (Dalhousie), Ph.D. (East Anglia) - Associate Professor and Head
J.E. Shuh, B.S.A. (Toronto), M.Sc. (McGill) - Professor Emeritus
J.S. Bubar, B.Sc.(Agr.) (McGill), M.S. (Pennsylvania State), Ph.D. (McGill) - Professor
R.W. Daniels, B.Sc. (Agr.) (McGill), M.S. (Michigan State) - Associate Professor
J. Fraser, B.Sc. (London), M.Sc. (Aberdeen), Ph.D. (Canterbury) - Associate Professor
T.H. Haliburton, B.Sc. (Agr.) (McGill), M.S. (Cornell) - Associate Professor
W.J. Higgins, B.Sc. (Mt. Allison), M.S. in Ed. (Niagara) - Associate Professor
H.-Y. Ju, B.Sc. (Agronomy) (Seoul), M.Sc. (McGill), Ph.D. (McGill) - Associate Professor
L. R. Mapplebeck, B.Sc.(Guelph), M.Sc.(Guelph) - Assistant Professor
J. Nowak, M.Sc. (Olsztyn), Ph.D. (Olsztyn), Ph.D. Habil (Olsztyn) - Professor

K. Padmanathan, B.Sc. (Madras), B.Sc. (Agr.) (Columbia), M.Sc. (Pennsylvania State), Ph.D.(Pennsylvania State) - Professor
R. G. Robertson, B.Sc.(For.)(Aberdeen) - Sessional Lecturer from N. S. Dept. of Lands and Forests

COURSES OFFERED

DEGREE

A complete four-year course leading to a degree in Agricultural Sciences (B.Sc.(Agr.)) is offered with a choice of the following options:

Agricultural Chemistry
Agricultural Economics
Agricultural Mechanization
Agricultural Soils
Animal Science
Plant Protection
Plant Science

Students can take other options without interruption by transferring to the third year of the B.Sc.(Agr.) program at Macdonald College of McGill University, the University of Guelph, the University of Maine or Faculty of Agriculture at another university.

Engineering students who successfully complete the three years of the Agricultural Engineering degree course can proceed to Macdonald College of McGill University or the University of Guelph or can apply to the Technical University of Nova Scotia or to another engineering faculty to complete their program of study.

Students who wish to take the three year Pre-Veterinary program to meet admission requirements of the Atlantic Veterinary College at the University of Prince Edward Island must, after completing the first year, enter the Animal Science option and take a specific selection of subjects. The Pre-Vet program also serves as the first three years of the B.Sc.(Agr.) program, Animal Science option. For other options it may take more than one year to complete the B.Sc.(Agr.) program.

TECHNICIAN

The following two-year programs of study are offered:

Agricultural Business
Agricultural Mechanization
Animal Science
Farm Equipment
Plant Science

TECHNOLOGY

The following two-year programs of study are offered:

Biology Laboratory Technology
Chemistry Laboratory Technology
Landscape Horticulture Technology

The following two-year programs are offered only to students who have successfully completed one year of a specified Technician Course (or equivalent):

Agricultural Engineering Technology
Farming Technology

Students in the Farming Technology Course spend eleven months (including summers) of their course work on farms. Seven of those months consist of structured training under a farmer/instructor.

Agricultural Technology is a one-year program, tailored to meet the needs of the student. Only Technician graduates are eligible to apply for this course.

SUMMARY OF VOCATIONAL AND CONTINUING EDUCATION PROGRAMS
April 1, 1987 - March 31, 1988

Vocational courses have been designed to assist men and women enter or progress in farm or farm related careers. Fifty-three courses were held with 708 persons enrolled, totalling 10,136 student training days.

The Canada Employment and Immigration Commission sponsored 276 persons by paying their tuition and on courses over 10 days duration a training allowance. Details on enrolled can be seen in the following tables:

PROVINCE	NUMBER OF STUDENTS			% OF TOTAL STUDENTS		
	1985-86	1986-87	1987-88	1985-86	1986-87	1987-88
Nova Scotia	470	436	533	78.2	74.5	75.3
New Brunswick	68	72	75	11.3	12.3	10.5
Prince Edward Is.	20	46	58	3.3	7.8	8.2
Newfoundland	19	24	29	3.1	4.1	4.1
Other residents	24	7	13	3.9	1.1	1.9
Total # Enrolled	601	585	708			
Total # Graduated	554	439	658			
Total # Sponsored by C.E.I.C.	300	232	276			
Total Student Training Days	10,618	9,832	10,136			

In conducting these courses, college staff was supplemented by organizational and lecture assistance from many sources, with the Nova Scotia Department of Agriculture and Marketing being the major contributor. Guest instructors for many topics are recruited from various federal research stations, other federal and provincial government services, business firms and private entrepreneurs.

The following courses were offered from April 1, 1987 to March 31, 1988:

VOCATIONAL COURSES:

Horse Care Program
Artificial Insemination of Silver Fox
Farm Skills Course
Potato Production Technology
Artificial Insemination
Mink Production
MP110 Physics
Dairy Farm Worker Course
Farm Welding
Milking Parlour Attendant
Poultry & Fur Course
Grape Production
Advanced Beekeeping
Principles & Methods of Weed Control
Meat Cutting Course
Basic Farrier Course
Farrier Course
Salad Crop Production
Dairy Herd Operation Course
Poultry Production
Turf Management Course
Turf Management of Recreational Fields
Floral Design Course
Basic Farm Welding
Swine Herd Operation
Basic Sheep Husbandry
Tree Fruit Production Course
Landscape Construction Course
Leading Into the 1990's: Strengthening Our Farm Organization
Garden Centre/Farm Market Employee Training Course

CONTINUING EDUCATION COURSES:

Basic Flower Arranging for the Home
Berry and Tree Fruit Production
Introductory Beekeeping
Introduction to Computer Aided Drafting
Residential Landscaping Course
Pet Health

HOME STUDY COURSES:

Chain Saw Course
Soil Management for Crop Production

AUTUMN ASSEMBLY

OCTOBER 14, 1987

Autumn Assembly, which is held annually to present awards and scholarships to students, took place on October 14, 1987. Dr. Roseann Runte, President, Universite Sainte-Anne was the guest speaker.

GENERAL SCHOLARSHIPS

The A. C. Neish Memorial Trust Scholarship, $1200
Sophie Bernard, 10 Downsview Ave., Moncton, N. B.

The Nova Scotia Agricultural College Alumni Assoc., $1000
Troy Webster, R. R. # 1, Kinkora, P. E. I.
Joann Whalen, 560 Gondola Point Rd., Rothesay, N. B.

The Atlantic Fertilizer Institute Scholarship, $1000
John Bowness, R. R. # 2, Alberton, P. E. I.

Canada Packers Scholarship, $1000
Catherine Palmer, R. R. # 2, Trenton, N. S.

The Nova Scotia Institute of Agrologists, $1000
Mary Ann Oulton, R. R. # 1, Windsor, N. S.

Co-op Atlantic Scholarship, $1000
JoAnn VanKessel, R. R. # 1, New Glasgow, N. S.

N. S. Milk Producers Scholarship, $1000
JoAnn VanKessel, R. R. # 1, New Glasgow, N. S.

Newfoundland Egg Marketing Board Scholarship, $1000
Janice Gill, Bishop's Falls, Newfoundland

Woodside Memorial Scholarship, $1000
Tammie Stewart, R. R. # 2, Albany, P. E. I.

F. W. Walsh Memorial Scholarship, $800
Tammie Stewart, R. R. # 2, Albany, P. E. I.

Hank DeBoer Memorial Scholarship, $500
Pamela Gillis, R. R. # 5, Bridgetown, N. S.

The Atlantic Fertilizer Institute Scholarship, $500
Mary Jansen, R. R. # 4, Osgoode, Ontario

The Ernest L. Eaton Memorial Scholarships, $500
George Denning, 5 Andy's Avenue, Truro, N. S.
Jill Hume, Chester, N. S.

The Benny Duivenvoorden Memorial Scholarship, $500
John Schenkels, Red Bank, N. B.

Women's Institute Scholarship, $500
Jill Hume, Chester, N. S.

Col. Charles H. Coll Memorial Scholarship, $500
Kimberly Allen, R. R. # 1, Mouth of Keswick, N. B.

Newfoundland Dairy Marketing Board Scholarship, $500
David Crowe, Torbay, Newfoundland
Gerald Wicks, 47 Campbell Ave., St. John's, Nfld.

New Brunswick Poultry Council Scholarship, $500
Suzanne Bulman, c/o: Atlantic Veterinary College

The Vice-Principal's Scholarship, $500
Christine Murray, R. R. # 3, Oromocto, N. B.

The Canadian Feed Industry Assoc. (Atlantic Division) Scholarship, $400
Jill Hume, Chester, N. S.

Cobequid Dog Club, $400
Gillian Calder, c/o: Atlantic Veterinary College

N. S. Federation of Agriculture Scholarships, $300
Linda Jack, R. R. # 2, Truro, N. S.
Ronald White, R. R. # 1, Lawrencetown, N. S.

Ira L. Rhodenizer Memorial Scholarship, $300
Jennifer Van der Kooi, R. R. # 1, Elmsdale, N. S.

The Donald E. Clark Memorial Scholarship, $300
Ronald White, R. R. # 1, Lawrencetown, N. S.

Raymond Webber Memorial Scholarship, $300
Colleen MacDonald, Judique, N. S.

Atlantic Provinces Hatchery Federation Scholarship, $300
Edward MacMillan, 1008 Redden Ave., New Minas, N. S.

A. B. Banks Memorial Scholarship, $250
Duncan McCurdy, R. R. # 1, Truro, N. S.

Atlantic Provinces Hatchery Federation Scholarship, $200
David Ball, 284 Seaview Dr., North Sydney, N. S.

The A. W. Mackenzie Memorial Scholarship, $150
Lori Schofield, Mount Uniacke, N. S.

The Dorothy Creelman Cox Scholarship
Jean Baillie, R. R. # 2, River John, N. S.

The Dr. Kenneth Cox Scholarship
Christine Murray, R. R. # 3, Oromocto, N. B.

PROVINCIAL SCHOLARSHIPS

NOVA SCOTIA

$1500
Lorie Bates, Louisburg
Jill Hume, Chester
Sandra King, R. R. # 1, Porters Lake
Mary Ann Oulton, R. R. # 1, Windsor

$1000
Stephanie Bishop, R. R. # 1, Bridgetown
Michelle Castle, Middle Musquodoboit
Lise Cohrs, 8 Rosemount Ave., Halifax
Rhonda Cole, 29 Bay Berry Dr., Milford
Patrick Cox, 5 Henry Street, Truro
Paula Cunningham, R. R. # 3, Roseway
David Colborne, 23B College Road, Truro
Karen Donovan, 88 Duffell Dr., Sydney
Scott Frazee, R. R. # 5, New Glasgow
John Henry, 36 Churchill St., Truro
Linda Jack, R. R. # 2, Truro
Eric Jackson, Upper Stewiacke
Michael Main, R. R. # 1, Maitland
Richard Melvin, New Ross
Duncan McCurdy, R. R. # 1, Truro
Catherine Palmer, R. R. # 2, Trenton
Emma Raghavan, Arichat
Kathleen Swan, R. R. # 2, Debert
Jack Thomson, R. R. # 5, Antigonish
JoAnn VanKessel, R. R. # 1, New Glasgow
Mark Wallace, 46 Prince St., Yarmouth
Michelle Willis, 9 Robertson St., New Glasgow

$500
Jeffrey Allen, R. R. # 2, Centreville
Ira Andrews, Guysborough
Jean Baillie, R. R. # 2, River John
Conny Bishop, 121 Pictou Road, Truro
Yvonne Comeau, R. R. # 7, Bridgewater
John Dykstra, R. R. # 2, Pictou
April Ingraham, Milford
Angela Kent, R. R. # 3, Lunenburg
Bryce McInnis, 157A Brunswick St., Truro
Tracey McRae, R. R. # 6, Truro
Patricia MacNeil, R. R. # 6, Truro

Edward MacMillan, 1008 Redden Ave., New Minas
Colin Palmer, R. R. # 1, Aylesford
Heather Read, R. R. # 2, Berwick
Michelle Savard, Lower Sackville
John Suidgeest, R. R. # 2, Shubenacadie
Miriam Tams, Wolfville
James Wall, R. R. # 5, Tatamagouche

$200 Jill Boss, Nappan
William Cox, R. R. # 2, Mabou
Lori Elliott, Clementsport
Pamela Gillis, R. R. # 5, Bridgetown
Glenn Spencer, R. R. # 1, Great Village
Ronald White, R. R. # 1, Lawrencetown

NEWFOUNDLAND

$700 David Crowe, Torbay
Deborah Jefford, Kelligrews
Ian Martin, Carbonear

BURSARIES

Farm Credit Corporation Bursary, $1000
Sophie Bernard, 10 Downsview Ave., Moncton, N. B.

Beaver Foods Limited Bursaries, $500
Dawn Miller, 713 Cleveland Ave., Riverview, N. B.
Janice Verhulp, R. R. # 3, Bonshaw, P. E. I.

David W. Brown Bursary, $500
David Fullerton, R. R. # 2, Upper Stewiacke, N. S.
Jeffrey Van de Riet, R. R. # 1, Shubenacadie, N. S.

Co-op Atlantic, $500
Pamela Gillis, R. R. # 5, Bridgetown, N. S.
Karen Howe, 44 College Road, Truro, N. S.
Angeline Roberts, R. R. # 1, Bass River, N. B.

Dr. Robert G. Rix Family Farm Bursary, $300
Kenneth Rockey, R. R. # 3, Merigomish, N. S.

Farm Focus Bursary, $200
Mark Wallace, 46 Prince St., Yarmouth, N. S.

The Edith Main Memorial Bursary, $100
Sherri Coldwell, c/o: Atlantic Veterinary College

PRIZES

N. S. Veterinary Medical Association Prize, $200
Gregory MacDonald, R. R. # 1, St. Anthony, N. B.

G. G. Smeltzer Award, $100
Mary Jansen, R. R. # 4, Osgoode, Ontario

The Roy H. Stevenson Prize in Mathematics & Physics, $100
David Kamau, Thika, Kenya

The Lorne C. Callbeck Prize, $50
Duncan McCurdy, R. R. # 1, Truro, N. S.

The H. J. Fraser Memorial Prize in English
JoAnn VanKessel, R. R. # 1, New Glasgow, N. S.

ATHLETICS IN REVIEW

The Nova Scotia Agricultural College Rams again participated in the Nova Scotia College Conference.

The following teams participated in league play:

Soccer	- women and men
Volleyball	- men
Badminton	- women and men
X-Country Run	- women and men
Basketball	- women
Hockey	- men

The Woodsmen Teams (1 womens and 2 mens) participated in six competitions during the 1987 - 88 season - U.N.B., Orono, Unity, Macdonald, Sir Sanford Flemming and hosted their own competition. Following are their placings at each competition:

COMPETITION	TEAM A MEN	TEAM B MEN	WOMEN
Unity	10th place	12th place	3rd place
U.N.B.	5th place	7th place	4th place
Sir Sanford Flemming	7th place	16th place	3rd place
Macdonald	7th place	8th place	2nd place
N.S.A.C.	2nd place	3rd place	1st place
Orono	2nd place	3rd place	n/a

WOMEN'S SOCCER

The women's soccer program got off to a flying start after a year's leave of absence from the Nova Scotia College Conference. With the old faithfuls and a talented group of rookies, the girls began league play with a 1-1 tie with Kings College, Halifax. Pat Cabot, goalkeeper, had an exceptional game between the posts but unfortunately suffered an injury which kept her out of action for 3 weeks. Susan Appt handled the keeper duties following the tie for the majority of the season, and following three subsequent losses, the girls worked hard to tip the scales for three consecutive wins to end the league play in second spot.

The NSCC finals saw the Aggies defeat Kings 2-1 in the semi before going down 2-0 to MSVU in the final. The girls had a great season which will provide an excellent base for future years.

MEN'S SOCCER

The men's team, suffering from losses due to '87 graduation, started slowly before winning key contests against the Canadian Coast Guard College and NSTC to move into third place in NSCC league play.

In exhibition play the Rams dropped 3 games to the experienced Damascus Senior Team from Truro and downed Brookfield High and Kings County Academy to round out their schedule.

In the NSCC final tournament, hosted by NSAC, the Rams met Kings College in the first round and challenged the second place squad frequently before losing 2-1 in the final moments to end the season.

All-Conference recepients for the AC squad were William MacMurdo and Jannes Wesselius. MacMurdo roamed the backfield while Wesselius controlled much of the play in midfield.

CROSS COUNTRY

An enthusiastic group of runners represented NSAC in fine fashion through the short Cross Country season. In the girls' section, Kim Redden, Colleen MacDonald, and Cathy MacLeod competed with MacLeod withdrawing following the first race at Victoria Park due to an injury. Redden and MacDonald finished 2nd and 6th, 2nd and 4th, and 2nd and 6th respectively in the three Conference meets.

The guys fielded a strong group of four. Arden Gardiner, Hubert Duivenvoorden - veterans from '86-87; Emery Leger and Kevin Britt - first year runners, comprised the NSCC Championship unit. Winning all three meets, the guys were never really challenged by other NSCC entrants. Duivenvoorden finished with two firsts and a second; Emery Leger, three thirds; Arden

Gardiner, two fourths; and Kevin Britt, a sixth, second and first in the final Championship run. A great season for all runners.

VOLLEYBALL

The volleyball squad had an excellent '87-88 season. Beginning slowly, the guys improved over the season to finish league play in the fourth and final playoff spot. During the year, the squad defeated all teams at least once, except TUNS who were the eventual Conference Champions.

In Conference finals, the Rams lost to TUNS (0-3) in the first round of the Championship and then defeated NSTC 2-1 in the playoff to determine the representative to the CCAA Nationals. With that win they met UCCB in the deciding match and although losing 1-2, the Rams played their best volleyball of the season.

Leading the charge was All-Conference Reg Wade. Other team winners: MVP - Reg Wade; MIP - Jeff Wentzell; Rookie - Dennis Doherty.

WOMEN'S BASKETBALL

The girls, having started the season very optimistically, suffered from the loss of three players at the Christmas break, but finished the league schedule battling for the third spot.

Having lost their final league contest, the Rams faced first place Kings College in NSCC playoffs. Losing that semi-final finished Conference play for '87-88.

However, the opportunity to play in the CCAA Championships as Host, the girls prepared diligently to meet the best in the country. Meeting and losing to John Abbott, Kings and Canadian Bible College during the Championships, the girls enjoyed the calibre of play and experience of a National event. Good luck to graduates Kim Allen and Carmen Lake. MVP - Marg Wheaton; Rookie - Marg Wheaton; MIP - Pat Cabot.

BADMINTON

The badminton team had a successful season with a good mix of veterans and rookies. With meets at NSTC, MSVU, NSAC, and TUNS the group worked diligently in preparing for the final team competition - the NSCC Finals held at the Canadian Coast Guard College. As a result, John Suidgeest and Chris Winters captured top spot in men's doubles, while Nancy Barnes and Jenny Gilmore placed second in women's doubles with both pairs qualifying for the CCAA Championships. The team placed 4th in the NSCC final standings.

In CCAA competition, also hosted by the Canadian Coast Guard College, both NSAC entries finished in sixth spot.

A good year for badminton and a good outlook for '88-89.

HOCKEY

The Rams completed their 6th year in the District League with a fourth place finish in league play.

The first round of play-offs saw the Blue & Gold take a tough 2 - 1 series loss to Bible Hill Dairymen, resulting in elimination. Although not blessed with a great deal of experience, the boys played hard and skated well against the tough local teams, taking a number of wins in league play. The returnees will be scouting freshmen early in 1988 - 89 to replace graduates Tom Van Oirschot, Darren Baglole and Kent Rennie. MVP - Terry Prescott; Rookie - Andrew Newcombe; MIP - Troy Webster.

C.C.A.A. BASKETBALL CHAMPIONSHIPS

NSAC has recently completed the successful hosting of the 1988 Men's and Women's CCAA Basketball Championships. Committees led by Richard Hayden as Chairman, worked for 1½ years in preparation, and involved approximately 50 College staff and community people.

Involving a total of 16 teams from across Canada, preliminary competition lasted Wednesday through Friday, with metal play highlighting Saturday's action.

Standings as a result of play are:

WOMEN	MEN
1. John Abbott (Que.) - Gold	1. Dawson (Que.) - Gold
2. Lethbridge (Alta.) - Silver	2. Humber (Ont.) - Silver
3. Ahuntsic (Que.) - Bronze	3. Grant MacEwan (Alta.) - Bronze
4. Capilano (B.C.)	4. Fraser Valley (B.C.)
5. Fanshawe (Ont.)	5. John Abbott (Que.)
6. Kings (N.S.)	6. Kings (N.S.)
7. CBC (Sask.)	7. NSTC (Host)
8. NSAC (Host)	8. CBC (Sask.)

The successful hosting of this type of an event is only possible as a result of staff, community, and especially student involvement. We thank you all for your effort and hope that you enjoyed the experience of hosting; realizing that your enthusiasm enabled visitors to our province and college to leave with very good memories and warm feelings for the place and the people.

VARSITY AWARDS

ROOKIE OF THE YEAR	NAME	HOMETOWN
Men's Soccer	Steve Clark	Parrsboro
Women's Soccer	Susan Appt	Westfield, N.B.
Woodsmen (F)	Lisa Cody	Windsor
Woodsmen (M)	Alan MacIntyre	Bras d'Or
Badminton	Leanne Giffen	Milford
Women's Basketball	Marg Wheaton	Sackville, N.B.
Men's Hockey	Andrew Newcombe	Port Williams
Men's Volleyball	Dennis Doherty	Sussex, N.B.

MOST IMPROVED PLAYER	NAME	HOMETOWN
Men's Soccer	Dwayne Pearson	Cody's, N.B.
Women's Soccer	Jean Baillie	River John
Men's Volleyball	Jeff Wentzell	Bridgewater
Badminton	Chris Dunbar	Alberton, P.E.I.
Women's Basketball	Pat Cabot	West St. Modeste, Nfld.
Men's Hockey	Troy Webster	Kinkora, P.E.I.

ALL-CONFERENCE SELECTIONS

Soccer	Jean Baillie	River John
Soccer	Dianne Stevens	Western Shore
Soccer	William MacMurdo	Kensington, P.E.I.
Soccer	Jannes Wesselius	River Glade, N.B.
Volleyball	Reg Wade	Granville Ferry
Basketball	Marg Wheaton	Sackville, N.B.
Men's Doubles - Badminton	John Suidgeest	Shubenacadie
Men's Doubles - Badminton	Chris Winter	Cornwall, P.E.I.

CONFERENCE CHAMPIONS

Cross Country	Kevin Britt	Saint John, N.B.
Cross Counrty	Emery Leger	Shediac, N.B.
Cross Country	Hubert Duivenvoorden	Sussex, N.B.
Cross Country	Arden Gardiner	River Hebert

M.V.P. AWARDS

Men's Soccer	William MacMurdo	Kensington, P.E.I.
Women's Soccer	Karen Mills	Halifax
Men's Volleyball	Reg Wade	Granville Ferry
Badminton	John Suidgeest	Shubenacadie
Men's Hockey	Terry Prescott	Moncton, N.B.
Women's Basketball	Marg Wheaton	Sackville, N.B.
Woodsmen (F)	Celia Boone	East Bay
Woodsmen (M)	Steve Watts	Cornwall, P.E.I.

DISTINCTION AWARDS

Contribution	Emery Leger	Shediac, N.B.
Athlete of the Year (F)	Karen Mills	Halifax
Athlete of the Year (M)	John Suidgeest	Shubenacadie

Athletic Director - Ken Marchant
Co-ordinator, Women's Athletics - Judy Smith

PRINCIPAL'S LIST

On Wednesday, January 27th, Dr. H. F. MacRae entertained 42 students of the Nova Scotia Agricultural College at a dinner given in their honour at the Riverview Room. The Principal's List honours those students who have achieved academic excellence at the College.

The guest speaker was Dr. Ellen McLean, President, Associated Country Women of the World.

Each student was presented with a plague in recognition of his/her achievement.

NEW BRUNSWICK

Sophie Bernard, 10 Downsview Ave., Moncton
George Denning, R. R. # 1, Upper Woodstock
Christine Murray, R. R. # 3, Oromocto
John Schenkels, Red Bank

NOVA SCOTIA

Jeffrey Allen, R. R. # 2, Centreville
Kimberley Babineau, Parrsboro
Conny Bishop, 121 Pictou Road, Truro
Lise Cohrs, 8 Rosemount Ave., Halifax
David Colborne, 23B College Road, Truro
Yvonne Comeau, R. R. # 7, Bridgewater
Pamela Gillis, R. R. # 5, Bridgetown
Jill Hume, Chester
April Ingraham, Milford Station
Linda Jack, R. R. # 2, Truro
David Johnson, 158 Queen Street, Truro
Angela Kent, R. R. # 3, Lunenburg
Paul Kittilsen, R. R. # 1, Newport
Duncan MacCurdy, R. R. # 1, Truro

Colleen MacDonald, Judique
Cynthia MacDonald, R. R. # 1, Saltsprings
Tracey MacKenzie, R. R. # 3, Truro
Patricia MacNeil, R. R. # 6, Truro
Michael Main, R. R. # 1, Maitland
Bryce McInnis, 157A Brunswick St., Truro
Dawn Miller, 146 Brunswick St., Truro
Catherine Palmer, R. R. # 2, Trenton
Stephanie Peppard, R. R. # 1, Great Village
Emma Raghavan, Arichat
Sondra Roland, 25 North St., Truro
Glenn Spencer, R. R. # 1, Great Village
John Suidgeest, R. R. # 2, Shubenacadie
Kathleen Swan, R. R. # 2, Debert
JoAnn Van Kessel, R. R. # 1, New Glasgow
Ronald White, R. R. # 1, Lawrencetown
Michelle Willis, 9 Robertson St., New Glasgow
Sherry Withers, 23 Robertson Crescent, Truro

PRINCE EDWARD ISLAND

Wendy Larsen, Belfast
Janice Verhulp, R. R. # 3, Bonshaw

OTHER

Mary Jansen, R. R. # 4, Osgoode, Ontario
Rose Mwangi, Kenya

CONVOCATION

The Convocation Exercises were held on Wednesday, May 4, 1988 at the Athletic Centre. The winners of the Governor-General's Medals were David Colborne, Degree Student and Kenneth Rockey, Technical Student. Other awards were presented to John Suidgeest and Kimberly Allen, Atlantic Provinces Swine Producers Awards; Catherine Palmer, Ketchum Manufacturing Company Ltd. Prize; Mary Jansen, K. DeGeus Memorial Prize for Plant Science. The valedictory address was delivered by Helen Sampson.

Distinction Awards

BACHELOR OF SCIENCE IN AGRICULTURE DEGREES

AGRICULTURAL CHEMISTRY

Andrew James Johnson.....Truro, N.S.

AGRICULTURAL ECONOMICS

Darren James Baglole.....Freetown, P.E.I.
Sophie Marie Bernard - High Honours.....Moncton, N.B.
Paul Omondi Gamba.....Nakuru, Kenya
Arnold Joseph Hagen.....Breadalbane, P.E.I.
Lawrence Obae Mose - Honours.....Kitale, Kenya
Ephantus Ndwiga Stephen Muthee.....Embu, Kenya
Alexander Kent Rogers.....Coleman, P.E.I.

AGRICULTURAL MECHANIZATION

Manouchehr Babaei.....Halifax, N.S.
David Edward Haliburton.....Avonport, N.S.

AGRICULTURAL SOILS

Mary Cornelia Bishop - High Honours.....Truro, N.S.
Melania Lynn Cornish.....Trenton, N.S.
Glenda Maria Hunter.....Truro, N.S.
Michael Hugh Main - Honours.....Maitland, N.S.
Gordon Bruce Murray.....Truro, N.S.
Thomas Rene Van Oirschot.....Antigonish, N.S.

ANIMAL SCIENCE

Claire Louise Adams.....Hampton, N.B.
Antje Andrea Barczyk.....Port Elgin, N.B.
Joanne Elizabeth Beaton.....Port Hood, N.S.
Sarah Emily Bowers.....Shubenacadie, N.S.
Bernadette Catherine Donovan.....New Victoria, N.S.
Cynthia Agnes Doucette.....Lower Wedgeport, N.S.
Nancy Eileen Evans.....Eastern Passage, N.S.
Daniel Peter Gallagher.....Minto, N.B.
Gail Elaine Gibbons.....Sydney Mines, N.S.
Sandra Ann Hall.....Dartmouth, N.S.
Kimberly Ruth Hancock.....Gander, Nfld.
Carmencita Joyce Lake.....Bridgetown, N.S.
Emery Roger Leger.....Shediac, N.B.
Cynthia Marie MacDonald.....Stephenville, Nfld.

George Edward Macmillan.....Cornwall, P.E.I.
Donna Bernice Noble.....Wilmot, N.S.
Catherine Victoria Palmer - High Honours..Trenton, N.S.
Heather Anne Prudence.....Bridgetown, N.S.
Kimberly Dawn Redden.....Newport, N.S.
Anne Michelle Savard - Honours.....Gloucster, Ont.
Nancy Ellen Statts.....Crapaud, P.E.I.
John Gerard Suidgeest - Honours.....Shubenacadie, N.S.
Cherryl Anne Vaughan.....Yarmouth, N.S.
Roberta L. Wilson.....Saint John's, Nfld.

PLANT PROTECTION

Susan M. Hickey.....Whitbourne, Nfld.
April Edena Ingraham.....Milford Station, N.S.
Lise Alberte LeBlanc.....Riverview, N.B.
Kathleen Margaret Swan - High Honours.....Debert, N.S.

PLANT SCIENCE

Charles Awa-leyi Agobia.....Truro, N. S.
Jeffrey Hantz Allen.....Centreville, N.S.
Ira Robert Andrews - High Honours.....Guysborough, N.S.
John Kipkoech A. Bore.....Longisa, Kenya
Peter Wade Boswall.....Marshfield, P.E.I.
Pansy Edith Brydon.....Waterville, N.S.
Lise Ann Cohrs - High Honours.....Halifax, N.S.
David Archibald Colborne - High Honours.....Truro, N.S.
Abra Jean Haliburton - Honours.....Truro, N.S.
Scott Peter Hosking - Honours.....Dartmouth, N.S.
William Archibald MacMurdo.....Kensington, P.E.I.
Carolyn Dawn Miller - High Honours.....Truro, N.S.
Christine Lynn Murray - High Honours.....Oromocto, N.B.
Ian William Newcombe.....Centreville, N.S.
Heather Elizabeth Read.....Berwick, N.S.
Helen Grace Sampson - Honours.....St. Stephen, N.B.
Steven Wade Watts - Honours.....Cornwall, P.E.I.

AGRICULTURAL ENGINEERING DEGREE - DIPLOMA

Kenneth Alfred Wiskot Wiyo - High Honours.....Malawi

TECHNICIAN DIPLOMAS

AGRICULTURAL BUSINESS

Linda Marie Bourgeois.....St. Joseph, N.B.
Graham Joseph Chisholm.....Antigonish, N.S.
Marvin Wayne Clark.....Kensington, P.E.I.
Edward Warren Frazee.....Norton, N.B.
Trevor Allan Hiltz.....New Ross, N.S.
Blair John Kent.....Truro, N.S.
Laura Louise Stockdale.....Sussex, N.B.
Peter Michael VanWychen.....Middle Musquodoboit, N.S.
Anthony Phillip Waugh.....Truro, N.S.
Peter James White.....Maitland, N.S.
Carmen Leigh Wyand.....Cavendish, P.E.I.

ANIMAL SCIENCE

Kimberly Marlene Allen - Honours.Mouth of Keswick, N.B.
Fawn Theresa Marie Arsenault.....Elmsdale, P.E.I.
Albert David Ball.....North Sydney, N.S.
Arnd Barczyk.....Port Elgin, N.B.
David Anthony Bekkers.....Antigonish, N.S.
Dawn Louise Cunningham.....Sussex, N.B.
Daniel Wayne Fisher.....Upper Musquodoboit, N.S.
Jacklin Donalda Gaudet.....Amherst, N. S.
Mark William MacDonald.....Souris, P.E.I.
Ronald Garth Manning.....Falmouth, N.S.
Tracey Lynn Norwood.....Saint John, N.B.
Victor Douglas Oulton.....Windsor, N.S.
Kent Douglas Rennie.....Alberton, P.E.I.
Glenda Pearl Smith.....Bridgewater, N.S.
Theodore Selden Taggart.....Bass River, N.S.
Jannes Wesselius.....River Glade, N.B.
Crosbie Gerard Williams.....Goulds, Nfld.

FARM EQUIPMENT

Stephen Floyd Ells.....Canning, N.S.
Bernard Joseph Forbes.....St. Andrews, N.S.
Scott Douglas Freeman.....Bear River, N.S.
Ranald Bruce MacFarlane.....Bedeque, P.E.I.
James Robert Sherwood.....Norton, N.B.
Ronald William White - High Honours..Lawrencetown, N.S.

PLANT SCIENCE

Scott William Bishop.....Truro, N.S.
Andrew Leslie Blackburn.....Truro, N.S.
Timothy Bruce Cameron.....Fredericton, N.B.
Peggy Irene Dickie.....Meagher's Grant, N.S.
Mary Rose Jansen - High Honours.....Osgoode, Ont.
Shawn Philip Nauss.....Chester, N.S.
Brenda Marie Peck.....Louisbourg, N.S.
Robert Edward Whitelaw.....Truro, N.S.
Almon Kent Wood.....Kensington, P.E.I.

DIPLOMAS OF TECHNOLOGY

AGRICULTURAL TECHNOLOGY

Gerard Emile Basten.....Truro, N.S.
Jonathan Adriel Fuller.....Avonport, N.S.
Baboucar Omar Mass Kah.....The Gambia, Gambia
Jacqueline Kennedy.....Antigonish, N.S.
Gregory Mervin MacDonald.....St. Anthony, N.B.
William Ray MacNeill.....Coleman, P.E.I.
Lamin Jerreh Njie.....Brikama, Gambia
James Edward West.....Milford Station, N.S.

AGRICULTURAL ENGINEERING TECHNOLOGY

Kerwin Braden DeLong.....Hubbards, N.S.

BIOLOGY LABORATORY TECHNOLOGY

Sylvia Arlene Adams.....Kensington, P.E.I.
Deanna Brewster.....Dominion, N.S.
Heather Anne Craig.....River John, N.S.
Todd Charles Crossman.....Moncton, N.B.
Wendy June Larsen - High Honours.....Belfast, P.E.I.
Janette Elizabeth Nason.....Upper Stewiacke, N.S.
Sharon Elizabeth Sheppard.....Gabarus, N.S.
Dianne Elise Stevens.....Western Shore, N.S.
Miriam Elizabeth Tams.....Wolfville, N.S.

CHEMISTRY LABORATORY TECHNOLOGY

Isla Lee Matheson - Honours.....Tatamagouche, N.S.
Kelli Lee Ann Mulley.....North Sydney, N.S.
Sherryl Anne Payson - Honours.....Bear River, N.S.
Krista Lee Wright.....Stewiacke, N.S.

FARMING TECHNOLOGY

Dwayne Michael Gearing.....Kingston, N.S.
Kenneth Lloyd Rockey - High Honours....Merigomish, N.S.

LANDSCAPE HORTICULTURE TECHNOLOGY

Richard George Baxter.....Lower Sackville, N.S.
Andre Jean Gaudet.....Fox Creek, N.B.
David William Johnson - Honours.....Truro, N.S.
Mary Colleen MacDonald - High Honours.....Judique, N.S.
Martha Lorraine MacDonald.....Glace Bay, N.S.
Neil Patrick Pond.....Ludlow, N.B.
Ralph Norman Ramsay.....Stewiacke, N.S.
Peter Douglas Reid - Honours.....Armdale, N.S.
Rebecca Teresa Roberts.....Saint John, N.B.
Sondra Lee Roland - Honours.....Truro, N.S.

LIBRARY REPORT

The Library Service was provided to its regular and occasional clientele.

REFERENCE DEPARTMENT

The Reference Department offered full reference services to faculty, students, staff and associates of the N.S.A.C., N.S.D.A.M. and to the public who had needs related to agriculture. 2,600 revised records were entered into the VAX document database with the help of student Darren Black during the summer of 1987. Students had an up-to-date subject index to the documents collection for use during the winter. Use of the on-line search service increased. The usefulness of search results is indicated by the dramatic increase in interlibrary loan requests for journal articles, up 41% over the previous year. Joanne Campbell is very nearly at the limit of what one person can do with dedicated hard work and some adjustments in our collections, equipment and policies will probably be needed in the next year.

ACQUISITIONS DEPARTMENT

Linda Butler-Fox joined as a regular replacement to Kelly Ju. She has reorganized all the functions and streamlined many procedures by making full use of the in-house micro computer. From September, 1987 to April 30, 1988, the department benefitted from two ½ day casuals (Mrs. Marilyn Foote and Miss Marlene MacCallum).

CATALOGUING DEPARTMENT

In January, 1988, the department got full time regular personnel. Vaila Mowat joined as the head of this department. She has done a wonderful job in organizing the activities of this department. She has reduced the backlog which had accumulated over the 13 months the cataloguing position was vacant, to a considerable extent. The Chief Librarian has been trained to use the UTLAS System and has assisted in the on-line portion of the cataloguing work.

OTHER DEPARTMENTS

Mrs. Sherree Miller has done an exceptional job throughout the year. She looks after all the secretarial and stenographic work. She also helps in the circulation department, checking in of periodicals, binding, etc.

The Library has maintained its hours of service.

The Library Committee has been helpful as usual. The Committee met three times during this period.

The Sub-Committee on Budget did not need to meet this year, because of the short time allowed to prepare budget. Members of this Sub-Committee are Dr. Bruce Gray (Chairman), Prof. Carl Madigan, Prof. Bonnie Waddell and Prof. B. Sodhi.

The Library Funding Committee under the chairmanship of Bonnie Waddell was very active throughout the year. It met many times. A special effort was undertaken to inform faculty and alumni about the needs of the Library and to explore how funds could be raised for library acquisitions. Bonnie should be congratulated for the tremendous effort she has put in this record.

STATISTICS
June 1, 1987 - May 31, 1988

	1986-87	1987-88
1. Books added	1,775	1,077
2. Current Periodicals	812	868
3. Circulation of Library Materials	15,324	14,253
4. Visitors to the Library	46,642	50,131
5. Interlibrary Loans		
a) Books borrowed	394	395
b) Books loaned	131	67
c) Photocopies obtained	1,061	1,496
d) Photocopies sent	102	127
6. Binding	692	940
7. Cataloguing	1,476	937
8. Reference Department Activities		
a) Publications	2	2
b) Tours (for 651 people)	60	
Tours (for 445 people)		38
c) Workshops (for 52 people)	8	
Workshops (for 108 people)		6
d) Reference Questions	261	215
e) Instruction Sessions	102	70
f) Referrals	12	10
g) Online Information Search Requests	26	29
h) Online Searches Prepared	42	44
i) Documents Added (Vols.)	2,039	1,144

RESEARCH PROJECTS

Research Projects were funded from a number of sources. Some of these were at the discretion of the Committee while others were the result of individual initiative. A number of investigative projects are not included. The fund sources are as follows and may or may not be included in these statistics.

Source	Projects/ Grants	Funds
N.S. Department of Agriculture and Marketing	46	254,320
Canada/Nova Scotia Development Agreement (ALFI)	15	259,907
Federal Contracts through Agricultural Research Institute	11	109,360
NSERC Grants	12	213,410
Industry and Miscellaneous Grants	23	114,646
Miscellaneous Research Contracts	8	254,522
	115	1,206,165

Readers are encouraged to contact the project leaders for further information. Inquiries concerning the overall program may be made through any committee member.

1987 RESEARCH PROJECT REPORTS

Project Number	Project Leader	Project Title
AGRICULTURAL ENGINEERING		
87-04	D. A. Allen	Earth Tube Heat Exchangers
87-08	S. A. Madani	Subsurface Drainage System
*	J. F. Adsett	Evaluation of an Electroni Fertilizer/ Seed Application Rate Control System
*	F. L. Desir	Mower-Conditioner Performance Analysis
ANIMAL SCIENCE		
87-14	D. M. Anderson	Drying of Cereal Grains
87-16	M. L. Connor	Fox Production and Reproduction
87-21	M. L. Connor	Melatonin and Reproduction in Furbearers

87-22	N. L. Firth	Chicken Fat in Pig Feeds
87-51	D. C. Crober	Computerized Environmental Control
87-77	T. Tennessen	Improving Cage Design for Laying Hens
87-83	D. L. Patterson	Strain Differences and Prediction of Carcass Fat in Broiler Chickens
87-84	D. M. Anderson	Wet Versus Dry Feeds for Growth, Lactation and Reproduction in Foxes
87-91	T. Tennessen	Rearing Techniques for Silver Fox
87-92	D. M. Anderson	High Protein Feedstuff
87-101	D. C. Crober	Layer Performance
87-102	A. Lirette	Milk Production in Beef
87-103	A. Lirette	N.M.I. Forage Structure
87-104	D. L. Patterson	Digital Image Analysis of Animal Shape
87-106	T. Tennessen	Baseline Data on Fox Development
87-107	M. L. Connor	Leanness and Reproduction Performance in Swine
87-108	M. L. Connor	Assay for Melatonin
87-109	D. M. Anderson	Canola Meal for Sows
87-110	D. M. Anderson	Water Quality for Pigs
87-112	M. L. Connor	Ovulation Rate and Embryonic Survival in Gilts
*	M. L. Connor	Haemotological and Biochemical Values for Ranched Silver Fox
*	M. L. Connor	Ovulation Rate and Early Embryonic Survival in Gilts
*	D. L. Patterson	Digital Image Analysis of Cow Shape and Relationship to Type Evaluation
*	T. Tennessen	Fur Clipping in Ranched Silver Foxes - A Survey

BIOLOGY

87-03	M. G. Sampson	Integrated Control of Canada Thistle
87-52	M. G. Sampson	Herbicide-Pathogen Interactions in Quackgrass
87-68	J.-P. R. Le Blanc	Effect of Temperature on Predatory Mites on Apple
87-95	M. G. Sampson	Weed Control in Blueberries

CHEMISTRY-SOILS

87-67	A. R. Robinson	Corticosterone Levels and Layer Performance
87-73	P. R. Warman	Asparagus Yield and Nutrition
87-75	C. Miller	Direct Rapid Assay for Tritiated Water
87-85	P. R. Warman	Effects of Cover Crops on Subsequent Sweet Corn Growth and Soil Properties
87-94	J. Hoyle	Translocation of Fungicides
87-97	K. S. MacLean	Selenium Content

ECONOMICS AND BUSINESS

87-93	K. G. Grant	Price Determination in Maritime Slaughter Cattle Market

PLANT SCIENCE

87-06	J. S. Bubar	Cereal and Protein Crops
87-07	J. S. Bubar	Forage Crops
87-24	T. H. Haliburton	Vegetable Variety/Management Trials
87-25	R. K. Prange	Clonal Selection and Propagation of the Ostrich Fern
87-28	L. R. Mapplebeck	Differential Susceptibility of Crop Cultivars to Herbicides
87-30	H.-Y. Ju	American Ginseng Production in N. S.
87-46	R. W. Daniels	Turfgrass Evaluation and Management
87-70	J. Nowak	Germplasm Preservation by Freeze-Drying
87-87	H.-Y. Ju	Growth and Yield Component Study of Two and Three Year Cycle in Lowbush Blueberry
87-89	J. Nowak	In-Vitro Tuberization as an Indicator of Heat Stress Tolerance
87-90	T. H. Haliburton	Effect of Growth Regulators on Thiocyanate Content of Crucifers
87-96	J. Nowak	Somatie Embryogenesis in Red Clover
87-98	R. K. Prange	Propagation and Screening of Nontraditional Sources of Stress Tollerance in Solanum species
87-99	C. D. Caldwell	Management of Spring Canola
*	H.-Y. Ju	Effect of Boron Foliar Spray on Thiocyanate Content and Growth of "Early Snowball" Cauliflower and "Imperial" Broccoli
*	H.-Y. Ju	The Effects of Paclobutrazol (PP333) on the Growth and Physiology of Lowbush Blueberry

* Designates the report appears at the end of the regularly numbered reports.

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Eaton, L. J. and D. G. Patriquin, 1988. Inorganic nitrogen levels and nitrification potential in lowbush blueberry soils. Can. J. Soil Sci. 68:63-75.

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College Farm 1987-1988

Crops

The 1987 forage crops suffered from a very dry summer. However, forage crops harvested before late June produced a good second cut. Yields were average and quality above average on most fields.

An additional 12 hectares of land were leased from Mr. Donald Sutherland of North River to provide additional land for plant research work.

The cropping program for 1987 is listed below:

Crop	Hectares	Crop	Hectares
Research Plots	5	Cultivated Pasture	24
Brassicas	1	Winter Wheat	12
Annual Ryegrass	3	Spring Wheat	5
Legume Forage	26	Barley	9
Grass Forage	37	Oats	4
Corn Silage	32	New seeded legume	24
Improved Pasture	22	Woods	13
Total Hectares	217		

Livestock

All the various classes of livestock and poultry have been used in research and/or student projects during the past year. Changes in livestock numbers with year end inventories were:

	April 1/87 Begin	Born Alive	Purchased	Sold	Died	March 31/88 End
Beef Cattle	153	47	22	72	4	146
Dairy Cattle	102	63	00	59	4	102
Sheep	120	120	144	153	51	180
Swine	461	907	4	823	171	378
Foxes	161	221	6	199	39	150
Mink	115	371	2	322	75	91
Horses	4	0	0	0	0	4
Poultry	2696	1921	9742	6328	715	7316

Dairy Cattle

The dairy herd which has traditionally been one-half Ayrshire and one-half Holstein is now approximately 60% Holstein and 40% Ayrshire. An over supply of fresh heifers and milk lead to a higher than average culling rate during the year. A total of 333,560 liters of milk was sold compared to 277,105 liters the previous year. The 12 month Dairy Herd Analysis Service average milk producing increased from 5557 kgs in 1986-87 to 6340 kgs. in 1987-88 for the Ayrshires. The corresponding figures for the Holstein herd was 7109 kgs. and 8381 kgs. of milk.

Several research and student projects were completed during the year. Three 12 ft x 40 ft concrete stave upright silos and an enlarged silage feeding room were completed during March, 1988. These added facilities will enable the College to complete more research, particularily in the area of forage preservation and evaluation.

Beef Cattle

Fifty-three beef cows calved during the 1987 spring calving season with 49 calves being weaned. After herd replacements were selected, the remainder of the calves were placed in a feed lot and finished.

A summary of the breed numbers and herd adjusted production figures follows (lbs.):

Breed Group	Number Calving	Calves Weaned	Adjusted Weaning Wt.	Adjusted Yearling Weight
Hereford	12	10	414	757
A.C. Shorthorns	21	19	447	741
Lacombe Short-horns	8	8	423	---
X-Breeds	12	12	493	820

Swine

The swine unit had 91 litters born during the year with an average of 2.39 litters per sow. A total of 853 piglets were born alive for an average of 9.4 live/litter. An average of 8.0 pigs were weaned per litter.

A total of 712 market hogs were sold during the year with 37.2% grading with an index of 105 or better. Eighty-two percent of the market hogs graded with an index of 100 or more.

The College continued to cooperate with the Nappan Experimental Farm with joint research projects and 363 of the market hogs were marketed from their research facilities.

Sheep

A sheep trial comparing the growth rate of Suffolk and North Country Cheviot rams on grass and grain was the main research project carried out in the sheep unit.

Poultry

Three broiler flocks, a broiler layer flock and approximately 2500 layers were used in teaching, research and student projects during the year.

Fur Unit

The expanded fur unit facilitated several research and student projects during the year. Pelt prices were off from the previous year due to an over supply and a larger than average inventory on the world market.

SUMMER CONFERENCES

This past Conference Season has, once again, been most successful. We hosted 31 different organizations in residence, with a total participation of approximately 4,480 persons. Several new groups utilized our facilities, some of which have confirmed reservations for 1987.

CONVENTION LIST- 1987

Presbyterian Men's Conference
W.I.N.S.
4-H Clubs of N.S.
N.S. Rughooking School
Adult Vocational Staff Training
Presbyterian Youth Camp
Fed. of Senior Citizens and Pensioners
A.S.T.E.
Pentecostal Women's Retreat
D.N.D. Glider Training School
N.S. Association of Garden Clubs
Church of Latter Day Saints Youth
Spartans Gymnastic Camp I, II, III and IV
Alumni Weekend and Open House
N.S.H.A. Coaching Seminar
Yearbook Workshop
Atlantic Ecumenical Conference
N. S. Co-op Council (Adult Leader)
Boy Scouts of Canada
Basketball N. S.
MacQuarrie Family Reunion
T.C.P.S.
N. S. Dept. of Lands & Forests Budworm School
Presbyterian Womens Retreat
Provincial AA Roundup
Native Council of N. S.
Canadian Tree Geneticists
Pro Can/Am Hockey School
A.I.E.S.E.C.
Caldwell Family Reunion
N. S. Commercial Safety College

SPECIAL EVENTS AT N. S. A. C.

College Royal '87

"Just Horsin' Round" was the theme for College Royal '87 - November 5 - 8, 1987. The Chairpersons were Cathy MacKenzie and Dean Manning.

Winter Carnival

"White and Wild" was the theme this year for Winter Carnival, which was held from January 27 - February 1. The Chairperson for Winter Carnival '88 was Patti MacNeil.

Founding Day Service

1988 saw A.C. celebrate its 83rd birthday with a banquet in Jenkins Hall on February 12th. Highlight of the occasion was a candle lighting service. Those participating were Ms. Margaret Swan, N.S.T.C. (School of Agriculture); Mr. Wayne McCormick, Village Commission (Purchase of land in Bible Hill); Mr. J. E. Shuh, Professor Emeritus (School of Horticulture); Dr. H. F. MacRae, Principal (Founding of N.S.A.C.); Mr. R. E. Morehouse, Deputy Minister, Department of Agriculture & Marketing (Supports of Governments); Mr. David Sangster, President (Alumni) and Mr. Emery Leger, President, Student Union (The Present). The service was presided over by the College Chaplain Douglas MacEachern.

N.S.A.C. 3rd. Annual Woodsmen Competition

The chairpersons for this event which was held on Saturday, February 13, 1987 were Peter Lawson and Grant MacKenzie.

N.S.A.C. SEMINAR PROGRAM

The following seminars were held at the College during the 1987-88 academic year:

(1)Intercropping: A New Look at an Old Practice
Dr. D. Midmore, October 8, 1987

(2)Mapping Electrons in Molecules
Dr. R. Boyd, October 26, 1987

(3)Early Agriculture and Land Settlement in Colchester County
Mr. L. Blackburn and Mr. G. MacKenzie, February 11, 1988

(4)Biodegradation of Toxic Wastes
Dr. R. Sanders, March 16, 1988